

NAVAIR Weapons Division • Naval Air Weapons Station







SEND RESUMES TO: Ron Skiles or Bud Biery 350 E. Ridgecrest Blvd., Suite 105 . Ridgecrest, CA 93555 . (760) 384-1403 . www.veridian.com

## **Table of Contents**

WELCOME	■ 4
---------	-----

History			 					.5	5
The China Lake Community			 					.6	Ś

#### **REPORTING ABOARD = 8**

Checking In
Traffic Regulations
Police and Security9
Badges
Firearms
Cameras
Pets
Work Schedule

#### SERVICES & FACILITIES = 10

Fleet and Family Support Center10
Housing
Commissary
Credit Union
Navy Exchange
All Faith Chapel
Branch Medical/Dental Clinic
Legal Assistance14
U.S. Naval Museum of Armament and
Technology14
Thrift Shop14
Training and Development

#### MORALE WELFARE & RECREATION = 15

MWR Director's Office
MWR Management Support Office16
Wreck Center
Information, Tickets and Tours16
Barefoot Bar16
Child Development Center
Youth and Teen Programs16
Library
China Lake Golf Course
Athletic/Fitness Complex17
Outdoor Recreation Check Out Center17
Hall Lanes Bowling Center
Craftech
Auto Hobby Center

#### **COMPETENCIES** = 19

Competency Aligned Organization
NAWCWD Mission
2.0 Contracts
3.0 Logistics
4.0 Research & Engineering
5.0 Test & Evaluation
7.0 Corporate Operations
8.0 Shore Station Management



On the cover: A Cobra helicopter loaded with Hellfire Missiles stands ready for a test-firing event at Armitage Field. – Photo by P.Terry Pascarella, TID Photo Lab

#### TENANT UNITS AT CHINA LAKE = 27

Air Test and Evaluation Squadron Nine (VX-9)27
Marine Aviation Detachment
EODMU Three Det China Lake
Other Tenant Units

#### **SURROUNDING COMMUNITIES = 29**

Ridgecrest History
Ridgecrest Today
Other Communities
Area Recreation

FREQUENTLY CALLED PHONE NUMBERS • 33

NAVAL AIR WEAPONS STATION FOLDOUT MAP = 35



© 2002 MARCOA Publishing Inc. P.O. Box 509100 San Diego, CA 92150-9100 (858) 695-9600 www.marcoa.com Published by MARCOA Publishing Inc., a private firm in no way connected with the U.S. Navy, under exclusive written contract with NAVAIR WD China Lake. This Installation Guide is an authorized publication for members of the U.S. military services. Contents of the NAVAIR WD China Lake guide are not necessarily the official view of, or endorsed by, the U.S. Government, the Department of Defense, or the Department of the Navy. The appearance of advertising in this publication, including inserts or supplements, does not constitute endorsement by the Department of Defense, the Department of the Navy, or MARCOA Publishing Inc. of the products or services advertised. Everything advertised in this publication will be made available for purchase, use or patronage without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation, or any other nonmerit factor of the purchaser, user, or patron. Editorial content is edited, prepared and provided by the Public Affairs Office of NAVAIR WD China Lake.



# WELCOME





Welcome to the Naval Air Weapons Station China Lake, high desert home of the Naval Air Systems Command (NAVAIR) Weapons Division, where the Navy and Marine Corps have developed or tested nearly every significant airborne weapon system in the past five decades. China Lake is located about 150 miles northeast of Los Angeles on the western edge of California's Mojave Desert. If you are arriving by air, flights are available from Los Angeles International Airport to the Inyokern Airport, about 10 miles from the main gate. While rental cars are available, there is no public transportation between the airport and China Lake. Within a day's travel are both the highest (Mt. Whitney) and lowest points (Badwater in Death Valley) in the contiguous 48 states. The Indian Wells Valley, home to China Lake, is bordered by the Sierra Nevada, Coso and Argus Mountain ranges.

Weather in the valley and at China Lake is predominantly clear and dry. The visibility for flying and conducting test events is nearly unlimited. Summer temperatures often rise to more than 100 degrees Fahrenheit, with the season maximum of around 110 degrees. In the winter, night and morning temperatures may fall below freezing, but the normally clear days bring midday highs to the sunny mid 60s.

If you arrive by car, any route to China Lake from east of the Rocky Mountains involves some mountain driving and crossing parts of the desert. Some parts of the trip may take you 50 to 100 miles from the nearest town.

#### HISTORY

In the midst of World War II, adequate facilities were needed for test and evaluation (T&E) of rockets being developed for the Navy by the California Institute of Technology (Cal Tech). At the same time, the Navy needed a new proving ground for all aviation ordnance. CalTech's Dr. Charles C. Lauritsen and then Cdr. Sherman E. Burroughs met and formed a pact to find a site meeting both their needs.

In the summer of 1943, while searching for the direly needed site, Dr. Lauritsen, in a small plane flown by Cdr. Jack Renard spotted a two-way landing strip near Inyokern. It was in the middle of nowhere, with nothing but empty desert for miles around, but not too far removed from Cal-Tech's Pasadena base.

The Naval Ordnance Test Station (NOTS) was established on November 8, 1943 and its mission defined in a letter by the Secretary of the Navy, "...a station having for its primary function the research, development and testing of weapons, and having additional function of furnishing primary training in the use of such weapons."

Testing began at China Lake within a month of the Station's formal establishment. The vast sparsely populated desert around China Lake and Inyokern, with near perfect flying weather and practically unlimited visibility, proved an ideal location not only for T&E activities, but also for a complete research and development

#### **MILES TO CHINA LAKE:**

Bakersfield	110
Las Vegas	225
Los Angeles	
San Diego	
San Francisco	430

(R&D) establishment. The early Navy-CalTech partnership established a pattern of cooperation and interaction between civilian scientists and engineers and experienced military personnel that, in the ensuing five decades, has made China Lake one of

the preeminent RDT&E institutions in the world.

In the years following WW II, China Lake projects included development of the famed Sidewinder airto-air missile, the Shrike anti-radiation missile, the Zuni rocket, a series of aircraft rockets, an entire family of freefall weapons, torpedoes and the TV-guided Walleye glide bomb. Additionally, the Polaris missile concepts were developed by NOTS weaponsplanning teams, and the first submarine-launched ballistic missile motors were tested by China Lake.

In July 1967, NOTS China Lake and the Naval Ordnance Laboratory, Corona, Calif., became the Naval Weapons Center. The Corona facilities were closed and their functions transferred to China Lake in 1971. In July, 1979, the mission and functions of the National Parachute Test Range in El Centro were transferred to China Lake.

In January 1992, the Naval Weapons Center China Lake and the Pacific Missile Test Center Point Mugu were disestablished and joined with





naval units at Albuquerque and White Sands, N.M., as a single command: the Naval Air Warfare Center Weapons Division (NAWCWD). The physical plants at China Lake and Point Mugu were designated as naval air weapons stations (NAWSs) and hosts of the Weapons Division, performing the base-keeping functions.

In October 1998, NAWS Point Mugu, following a claimancy change to the U.S. Pacific Fleet, became Naval Air Station Point Mugu, and is no longer a part of the parent Weapons Division organization. More than 2,000 Weapons Division employees, however, continue to perform their same functions as tenants at Point Mugu.

In the fall of 2001, the Weapons Division dropped "Naval Air Warfare Center" from its name to become the "Naval Air Systems Command Weapons Division," or more simply, the "NAVAIR Weapons Division."

On October 1, 2001, the White Sands Detachment was transferred to the Naval Sea Systems Command, leaving China Lake and Point Mugu the only WD sites.

NAVAIR WD personnel at NAWS China Lake are involved in programs that range from the Tomahawk Cruise Missile to the new Joint Stand-Off Weapons System (JSOW) and from the Joint Direct Attack Munitions (JDAM) to the new F/A-18E/F Super Hornet.

NAVAIR is a "competency aligned organization." Please see the Competencies section of this guide for complete details on the Weapons Division's organizational structure.

#### THE CHINA LAKE COMMUNITY

The China Lake community, at first hidden under the mailing address of "NOTS-Inyokern," was planned from the start as a community where both military and civilians would live side by side. The integrated militarycivilian laboratory-oriented community paid off handsomely. In the formative years, ideas conceived at work were often moved toward fruition in back fence discussions with next door neighbors or at a Saturday party or softball game. The traditions of military-civilian interaction and workrelated socializing continue to this day, despite the markedly changed character of the China Lake and Ridgecrest communities.

From the site's founding as Naval Ordnance Test Station (NOTS) China Lake in 1943 until the mid 1950s, the Navy was practically the only provider of services in the surrounding Indian Wells Valley. Housing, schools, medical services, shopping and recreation were all provided for China Lake's civilians as well as for the military. Temporary housing, dirt roads, occasional floods and "termination winds" tested the mettle of early residents; but new housing, trees and lawns, extensive recreational facilities, community affairs, clubs and social events, and a growing spirit of community rapidly improved the quality of life in the valley.

Ridgecrest, the outside-the-gate community – little more than a crossroads and general store in 1943 – began to grow in the 1950s as residents there and on the base began to demand goods and services beyond what the Navy had to offer. During the 1950s, a few more adventuresome employees bought houses "in town;" some more conservative residents perhaps bought a bit of land. Through the 1950s and into the 1960s, Ridgecrest grew slowly, about three percent per year in population. The incorporation of the City of

Ridgecrest in 1963 was a positive step in demonstrating its permanence, but Ridgecrest continued to grow slowly. Meanwhile, on the base, apartments, new housing, recreation facilities and a new All Faith Chapel were built, and two new schools were finished. China Lake continued to be a thriving, selfcontained military-civilian community.

The late 1960s were a transition period for China Lake. Ridgecrest was growing rapidly, more quality housing was becoming available off base and China Lake housing peaked. (The last of the navy-built housing, the Capeharts, was completed in the early 1960s.) Additionally, a letter of permanence was accepted by the FHA and housing loans became readily available.

The Station's role in the community evolved over the last 40 years from that of primary landlord and provider of services to that of being primarily a good neighbor. The present NAWS housing area, much smaller

than that of the 1960s, is sufficient to support the Station's military. The community area of China Lake was annexed by the City of Ridgecrest in 1982, and today the spirit of community extends to residents both on and off the base. Though military and civilians are less likely to see each other over the back fence, they do still meet at the tennis courts and swimming pools, in a school board meeting or at a session of the City Council.

The pioneering spirit and "can do" attitude that helped early residents through China Lake's formative years have not disappeared. The direction and focus have changed in many ways, but the China Lake community - the City of Ridgecrest inside and outside the gate - remains active, interested and a vital part of the continued success of NAVAIR WD.

In this era of Defense Department streamlining and downsizing, the China Lake site remains constant in our goal

to be the Navy's premier full-spectrum laboratory for research, development, test and evaluation of weapons and aircraft weapons systems.

China Lake continues to be an integral part of the new concept that will improve the ability of the Naval Aviation Systems Team to meet the needs of the Navy and the fleet well into the next century.

The Navy remains the Indian Wells Valley's largest employer with more than 3,000 civilian and approximately 1,000 military employees. On any normal workday, 10,000 people pass through the gates.

Several recent projects aboard the Naval Air Weapons Station China Lake constitute a multimillion dollar renovation of family and bachelor housing on base. The "Navy Neighborhoods of Excellence" program is a facility improvement plan designed toward enhancing the quality of life for those living on Station.





# REPORTING ABOARD

#### **CHECKING IN**

At China Lake, the main gate is easily accessible from State Highway 178, State Highway 14 and Highway 395.

Military personnel should initially check in at the Quarterdeck, which is located in the Headquarters Building at the northeast corner of Knox Road and Blandy Avenue. At the Quarterdeck you will be given further instructions so that you can complete the check-in process. The Quarterdeck is staffed 24 hours a day and can be reached at commercial (619) 939-2303 or DSN 437-2303.

#### **Reporting Aboard**

Civilian personnel should initially check in at the Human Resources Department during normal working hours. The Human Resources Department is located on Blandy Avenue across from The Wreck Center. At Human Resources you will be given further instructions about checking in. If you are a new professional or a cooperative education student, you should also make an appointment with the Professional Recruitment Coordinator before you leave the Human Resources Department. A Safety and Security Orientation Briefing is scheduled regularly for new personnel.

#### **TRAFFIC REGULATIONS**

Vehicle registration papers and a valid operator's permit from your home state are needed to operate a privately-owned vehicle both on- and off-Station. (Drivers from other states should also get a valid California driver's license promptly.)

Traffic regulations are enforced at China Lake. The speed limit on Station is 25 miles per hour unless otherwise posted. DoD decals can be obtained from the Vehicle Registration office located at the Visitor Center at the main gate. To receive your decal, you must bring your vehicle registration, military identification card (if applicable), driver's license and proof of insurance.

#### POLICE AND SECURITY

Security is maintained through the China Lake Safety and Physical Security Department. The China Lake Police Division (CLPD) can be contacted 24 hours a day at 939-3323.

#### BADGES

After you have checked in, you will be issued a China Lake badge. This badge is very important to you and should be safeguarded with the same care as your driver's license or any other important document. It must not be left unattended where an unauthorized person could obtain it (in your vehicle, for instance). Your China Lake badge says, "I belong here," and identifies you as an official China Lake employee.

The badge must be worn in full view while in any restricted area.

Any person who works with classified information must have the proper security clearance and an established need-to-know for the information involved. If your job at China Lake requires it, a clearance request will be initiated.

Area authorization is required on your badge when going into restricted areas or buildings on Station.

#### FIREARMS

For regulations on possession of firearms aboard Station contact the CLPD.

#### CAMERAS

You may bring cameras, binoculars and telescopes aboard NAWS China Lake without registering them. You may use them in the community area of the Station. Only official photographers with a camera pass, however, may carry cameras and take photos in restricted areas.

#### PETS

Pets are allowed in on-Station housing, but owners are responsible for their care and proper control. All dogs four months or older must be licensed by Kern County. When living aboard NAWS China Lake, residents are limited to a maximum of two pets in a single dwelling.

#### WORK SCHEDULE

Most employees at China Lake are on what is known as a Flex Friday Work Schedule. During the two-week pay period, employees work eight hours on non-payday Fridays and nine hours a day Monday through Thursday of both weeks. This totals 80 hours and allows payday Friday to be a day off.



CLPD K-9 unit checks ID.



## **SERVICES & FACILITIES**

#### FLEET AND FAMILY SUPPORT CENTER

The Naval Air Weapons Station China Lake Fleet and Family Support Center (FFSC) is located at 610 Blandy Avenue, Building 2308.

The mission of the FFSC is to enhance the quality of life for the people in the military community. Proactive, responsive and supportive services are the FFSC's business. The highly qualified and dedicated team members provide information, education, counseling, support services, free enrichment programs and workshops for active duty, retirees, their family members and DoD personnel.

The facility offers one-stop shopping with many support services in a single location. Registration for classes can be viewed and accessed through the FFSC website at <u>www.nawacwpns.navy.mil/~fsc.</u>

In addition to the FFSC staff, these additional services are available at the center.

- Navy Marine Corps Relief Society
- Navy Marine Corps Relief Society Visiting Nurse
- Laubach Literacy Council
- Women's Outreach Center
- Family Advocacy Program
- MWR Director
- Navy College Representative
- Women, Infant and Children (WIC)
- Credit Consumer Counseling (CCC)
- Embry Riddle Aeronautical University
- University of Tennessee Space Institute

The FFSC services provide "skills for living," information, guidance and referrals in transition, relocation, spouse assistance, financial matters, information and referral and family counseling.

#### **FFSC Services**

**Transition Assistance Management Program (TAMP):** Assists military members in transitioning smoothly back into the civilian world by offering them tools needed to market themselves for new careers. The Transition Assistance Program (TAP) holds workshops for active duty personnel and their spouses.

The **Relocation Assistance Program** (**RAP**) assists members make a smooth transition between duty stations and assists family members in the search for a new job at the new home, as well as:

- Pre/post move relocation and newcomer orientations
- Welcome Aboard packages
- Information on schools, recreation, volunteer opportunities
- Loan Closet items for use when transferring in or out. (TVs, VCRs, microwave ovens, futons, hospitality kits and much more)

**Spouse Employment Assistance Program (SEAP):** Assists family members in career objectives, including:

- Career Counseling
- Career interest assessments
- Skills training, job referrals
- Networking and marketing tools
- Assistance in resume writing

**Personal Finance Management** provides basic consumer education and training to enable personnel to realize a better quality of life through active financial management. This includes:

- Seminars on buying cars, renting or buying homes
- Savings and investments, checking accounts, consumer awareness
- Credit Management repair
- Life insurance
- Overcoming personal debt

**Information and Referral Assistant** provides one-stop help in finding the appropriate local resources, both military and civilian, with extensive networking to assist the military family in all aspects of family development

**Family Advocacy Program (FAP)** offers social-educational intervention strategies such as provision of information and short-term support. The primary function of FAP is prevention; victim safety and protection; offender accountability; rehabilitative education and counseling.

**Counseling Services** provide shortterm (8-12 sessions) intervention in common adjustment problems experienced by married and single service people and their immediate families. Such problems could include communication and other problems in marriage, child-rearing or anger-control issues.

#### **FFSC Tenant Organizations**

The Navy-Marine Corps Relief Society (NMCRS) provides services to active duty, retired Navy and Marine Corps personnel (including Fleet Reservists) and their dependents. Whether the emergency is a missing allotment check, a destructive home fire or a death in the family, the NMCRS is there. Trained volunteers can assist with problems through counseling, budgeting advice for the family or in preparation for a new addition to the family with their budget for baby class or direct financial assistance.

Navy Marine Corps Relief Society Visiting Nurse provides services to the military family in home and clinic or hospital visits for the purpose of providing continuity between patient, doctors, and military or community resources.

- Medications and diet orders
- Postpartum or newborn care
- Post-surgical follow-up care
- Child development and parenting issues

**Women's Outreach Center** provides a variety of support services for victim safety and protection. Services include, but are not limited to, shelter for victims, education and support groups for victims and advocacy services (SART).

**Laubach Literacy Council** provides volunteers who will tutor those who need English as a second language and math tutoring.

WIC (Women, Infants and Children) comes to the FFSC twice monthly and serves military and their family members who fall within certain income parameters. This group addresses infant and nursing-mother needs.

The **Navy College** representative is available to assist active duty military, reservists and their dependents in the completion of their educational goals. Tuition assistance, Dantes and CLEP tests are available.

The **Consumer Credit Counseling** representative is available every Tuesday for assistance in debt consolidation, consumer education, and advice and assistance in lowering monthly



П



interest rates and monthly payment amounts.

Other tenants include two colleges: Embry Riddle Aeronautical University and University of Tennessee Space Institute.

#### HOUSING

Navy-owned housing at NAWS China Lake may be available to active duty military families. If you are being assigned to China Lake, you should submit an Application for Assignment to Housing form, a copy of your orders and an Emergency Data Information Sheet to Navy Family Housing, Naval Air Weapons Station, China Lake, CA 93555. On the basis of this application, which requests data on marital status, family size, ages and paygrade, you will be assigned the appropriate type of housing. Because of the need to renovate guarters between occupants, applications should be made at least six weeks before you report aboard.

Assignment to Government Quarters is not mandatory. All military members may request to reside off Station.

#### **Family Units**

The majority of homes on Station are duplexes. There are 19 Senior Officer Quarters units, one flag unit and another 172 family units in the "A" Capeharts. All units are unfurnished but provided with a range, refrigerator, heating and central evaporative cooling. All units have three or more bedrooms and two full bathrooms.

#### **Bachelor Enlisted Quarters**

Single enlisted members and married personnel not accompanied by their families are assigned Bachelor Enlisted Quarters (BEQ). There are 182 modular rooms in the three-building complex. Each room has a private bath, desk, spacious locker and bed. In addition, there is a common lounge for each four-room module. Call 939-3146 for more information.

#### **Bachelor Officer Quarters**

Bachelor officers and senior enlisted (chief petty officers and above) not accompanied by dependents are assigned to one-bedroom suite units. These consist of a living room, kitchen, bath and bedroom.

#### **Housing Referral Service**

In order to help China Lake employees acquire housing in the community, the NAWS Housing Office established the Housing Referral Service. The HRS maintains information about the local housing market and directs military members to available housing in Ridgecrest and the surrounding Indian Wells Valley area. HRS assistance is available by calling 939-2220.

#### COMMISSARY

Located at the corner of Richmond and Invokern Roads, China Lake Commissary opened in February 1996 and features an expanded line of groceries, meat, produce and dairy products. The employees of the Defense Commissary Agency, Western/Pacific Region strive to improve the commissary benefit to the men and women of NAWS by providing quality products at an average savings of 29.7 percent over local stores. Authorized patrons receive friendly, personalized service and the commissary stands ready to serve your needs Tuesday, 7:30 a.m. - 6 p.m.; Wednesday, 10:00 a.m. - 6:00 p.m.; Thursday, 10:00 a.m -7:30 p.m.; Friday, 9:00 a.m. - 6:00 p.m. and Saturday, 8:00 a.m. - 4:00 p.m. The store is closed Sunday, Monday and all federal holidays. For more information, call 939-3807, or visit the store website at www.commissaries.com.

#### **CREDIT UNION**

The Base Branch of Alta One Federal Credit Union is located at 1115 King Street, across the street from the Commissary. Membership is available to all who live or work in local communities and their families. The branch is open Monday and Friday, 9 a.m. to 5 p.m., and Tuesday through Thursday, 9 a.m. to 1 p.m. The ATM is open 24 hours a day. For information call 371-7000 or 800-433-9727.





#### **NAVY EXCHANGE**

The main Navy Exchange Complex at China Lake is located on Blandy Avenue in the Bennington Plaza, directly across from the All Faith Chapel. The store is a branch store of NEXCEN, San Diego.

At the main retail store, eligible patrons can purchase general merchandise, ranging from furniture and appliances to clothing and toys. Items temporarily out of stock, or not normally carried at this NEX, can be special ordered.

The mini-mart carries consumable goods, such as food and beverages. It also stocks toiletries, garden and patio supplies and sporting goods. The package store is in the back of the mini-mart.

Also in the Bennington Plaza Exchange Complex are personalized services such as a barbershop, laundry and dry cleaning and a uniform shop.

Between AltaOne Federal Credit Union and the McDonald's restaurant on Richmond Road is the Exchange Autoport. This is a self-service gas station that offers tire installation and repairs.

The Autoport also offers a quick mini-mart type store. U-haul truck and trailer rental services are available in the Autoport along with accessories needed to make your move easier. Phone numbers are 446-6707 for the main retail store and 446-5044 for the NEX Autoport.

#### ALL FAITH CHAPEL

Located at Blandy Avenue and Richmond Road, the All Faith Chapel has four congregations. A complete schedule of all services is printed in each issue of The Weaponeer. Sunday services for the Catholic congregation are held at 9 a.m., 12 noon and 4:00 p.m. CCD classes are held at 10:30 a.m. For the Protestant congregation, Sunday services are at 10:30 a.m., preceded by Sunday School classes. Services for the Jewish congregation are conducted on Friday evenings at 7:30 p.m. An Islamic Jumaa Prayer is held each Friday at noon during standard time and 1 p.m. during daylight savings time. The Chapel is staffed by one Catholic and one Protestant Navy chaplain. The telephone number is 939-3506.

#### BRANCH MEDICAL CLINIC/DENTAL CLINIC

The Branch Medical Clinic China Lake (BMCCL) provides primary and preventive outpatient medical care in a family practice type model to all eligible military beneficiaries with priority given to those signed up in TRICARE Prime. BMCCL is staffed with full-time board-certified family practitioners, a physician assistant, an adult nurse practitioner, flight surgeons, registered nurses and an independent duty corpsman. Patients with specialty care that exceed the clinic's capabilities are referred to local civilian providers or military treatment facilities. A complete patient information guide is available in the clinic's lobby waiting area. This describes, in detail, all clinic services. hours and phone numbers.

The clinic is open from 7 a.m. to 5 p.m. Monday, Tuesday and Thursday; 7 a.m. to 2 p.m. Wednesday; and from 7 a.m. to 4 p.m. on working Fridays. On flex Friday, the clinic is open from 7 to 11 a.m. Active duty, TRICARE prime enrollees and other eligible beneficiaries are seen by appointment for all clinic services and must have their ID cards with them at the time of the appointment. Appointments are made by calling 939-8000 with priority for appointments given to active duty and TRICARE Prime enrollees.

Urgent/acute medical issues are seen at any time during normal clinic working hours. All emergent medical problems should be taken directly to the Ridgecrest Regional Hospital Emergency Room. Sick call is by appointment, no active duty member will be denied care if no appointment is available. Active duty personnel must be in the uniform of the day and have their military ID card with them when reporting for sick call or other appointments.

Active duty and TRICARE beneficiary personnel with urgent medical needs after normal hours can use the Ridgecrest Regional Hospital Emergency Room, Drummond Medical Group's Urgent Care Clinic or Sage Community Health Center, as walk-ins or by appointment. All active duty after hours non-emergent care needs to be authorized by contacting either the BMCCL administrative watch officer at pager 1-877-476-6623 or cell telephone 382-8081 or the Military Medical Support Office (MMSO) at 1-800-876-1131. Tell them you are in Region 9. All TRI-CARE Prime patients should contact the 1-800 number on the back of their TRICARE Prime card. The Navy will pay for active duty member costs involving valid emergency room or authorized after-hours urgent care visits. The cost of a (non-emergent) emergency room visit made during clinic working hours may be the responsibility of the active duty member. If an after-hours emergency or urgent/acute visit is made, the service member should bring the billing paperwork to the Administration Office at the Branch Medical Clinic on the next working day.

On arrival at China Lake, active duty personnel and any family members should turn in their medical records at the Medical Records window and visit the BMCCL TRICARE Beneficiary Service Office to discuss their TRI-CARE options. Checking in medical records allows the clinic staff to properly document all health care treatment provided to service members and their families while assigned to China Lake.

For information concerning your TRICARE benefits, please call our TRI-CARE office 1-800-242-6788 and ask to

be connected to the BMC China Lake. The Ridgecrest Regional Hospital, Sage Community Health Center and most private physicians in the area accept TRICARE.

The Station's Dental Clinic, which serves active duty and retired military members, is also located in the modern 32,000-square-foot building on Blandy Avenue. The Dental Clinic's phone number is 939-8040.

#### LEGAL ASSISTANCE

The Staff Judge Advocate office is located in the NAWS China Lake Headquarters Building. A judge advocate is available for consultation, advice and assistance. Legal assistance is provided to all active duty military personnel and their families; retired U.S. military personnel and their family members; and reserve military members while performing active duty. An appointment is required and may be made by calling 939-2203.

Legal assistance is provided on most personal civil legal matters, including wills, adoptions, name changes, consumer affairs, domestic relations, landlord-tenant disputes, personal finances and debt collection. Any matter discussed with a judge advocate within the attorney-client relationship is privileged and confidential.

Assistance is also available in filing claims for the loss or damage of personal property during a move. An appointment is necessary to file a claim and may be made at 939-2506. Notary service and the preparation of powers of attorney are available by appointment.

#### U.S. NAVAL MUSEUM OF ARMAMENT & TECHNOLOGY

Scores of weapon and aircraft RDT&E projects, old and new, are highlighted in China Lake's U.S. Naval Museum of Armament and Technology. The museum contains one of the finest publicly accessible collections of tactical air weaponry and technology anywhere. The display collection ranges from WWII rockets to cutting-edge guided missiles and includes familiar items like Sidewinder. Shrike and Tomahawk alongside weapon systems that can be seen nowhere else — Agile, ACIMD, Bulldog and Advanced Bomb Family (to name but a few). Outdoor exhibits include historically significant XF4D-1 and F11F aircraft and Polaris and BOAR missiles: the new outdoor exhibit area now under development will be home to a significant part of the museum collection, including the NTA-4F, A-7E, HH-1K, F-111B, QF-86, DF-8L, RA-5C, AV-8A, A-6E, and F/A-18A ("Hornet 1") aircraft; several significant range instrumentation and target items; and a tribute to the Station's Search-and-Rescue (SAR) teams, including a UH-1 SAR helo. In the fall of 2001, the museum began developing an exhibit to highlight the 50th anniversary of the Sidewinder missile. This exhibit is



Tomahawk missile and other weapons on display at the U.S. Naval Museum of Armament & Technology

scheduled to open in November 2002. More information is available at <u>http://www.nawcwpns.navy.mil/clmf/</u>Sidewinder50.html.

Numerous videos covering China Lake projects and history may be viewed at the museum, and the Museum Foundation Gift Shop offers a large selection of related books, videos and memorabilia. Located in the former Officers' Club at the East end of Blandy Ave., the Museum is open weekdays (except flex Fridays) from 10 a.m. to 4 p.m. Visitors and groups desiring special tours or off-hours visits may make arrangements by calling 760-939-3530. More information is available at http:// www.nawcwd.navy.mil/~pao/ museum/.

#### **THRIFT SHOP**

The WACOM Thrift Shop at 1811 Lauritsen Road is operated by volunteers from the Women's Auxiliary of the Commissioned Officers' Mess and is open Monday through Friday (except holidays) from 8 a.m. until 12 noon. Available at the Thrift Shop are clothing, shoes, costume jewelry, small appliances and other kitchenware, linens, toys and more. Donations are welcomed throughout the year. Profits from the Thrift Shop are divided equally between the Navy and Marine Corps Relief Society and local community non-profit organizations. The phone number at the Thrift Shop is 446-6667.

## TRAINING & DEVELOPMENT

Employees at China Lake are encouraged to take advantage of courses appropriate to their work. On-the-job training is available not only through work assignments that provide specific or overall knowledge of subjects, but also through special courses, seminars and lectures.

Academic programs leading to bachelor's and master's degrees are available in the vicinity. The Navy may provide tuition support to its employees for courses that are job-related.

Correspondence courses, specialized short courses and seminars in technical and administrative fields are also available.



# MORALE, WELFARE & RECREATION

MWR delivers quality customer-focused leisure services, programs and facilities. MWR's objective is to meet and exceed their customers' leisure expectations. In short, MWR creates leisure opportunities to improve the quality of life for everyone who elects to use one of its many services, programs and facilities.

#### Morale, Welfare & Recreation

#### MWR DIRECTOR'S OFFICE 939-2010

The MWR Director's Office is located in the Fleet and Family Service Center, Building 2308, just west of the corner of Blandy Avenue and Hussey Road.

#### MANAGEMENT SUPPORT OFFICE • 939-3440

Located in Bennington Plaza on Blandy Avenue, the Management Support Office houses MWR administrative services functions, such as accounting, finance, procurement, receiving, and the Non-Appropriated Fund (NAF) personnel office. If you need these services, please visit the office or call the number above.

## **WRECK CENTER 939-8662**

Located on the corner of Blandy Avenue and Hussey Road, the Wreck Center houses a fast food and beverage operation with a contemporary casual atmosphere for small catered functions or cocktails. This multi-purpose recreation and entertainment center features an 80-inch television and television lounge, computer room with IBM and Apple computers for games, learning opportunities and Internet access, game room with pool, table tennis and foosball tables. National Trivia Network (NTN) computer satellite interactive games system, large multi-purpose room for entertainment and grand galas.

The Wreck Center is also home of the Single Military Program and coordinator, so call 939-4FUN(4386) and join the trips, tours and special events.

The Wreck Center features a first class Catering Program. Whether you want a wedding reception, retirement party, work function or reunion, the staff welcomes those unique opportunities to cater your events and activities on base or off base. Give the food and beverage supervisor a call at 939-8662.

#### INFORMATION, TICKETS AND TOURS (ITT) 939-8660

Located in the Wreck Center, the ITT program, dispenses Southern California recreation information on



attractions such as Disneyland, Sea World, Knott's Berry Farm and many others. Discounted tickets may be purchased for most amusement and recreational parks, attractions, special events and museums. Get your airline and Amtrak tickets here. MWR now offers a leisure travel service through a satellite management agreement with Naval Station San Diego's Leisure Travel Program.

#### BAREFOOT BAR 939-3166

Located behind the U.S. Naval Museum of Armament & Technology at the east end of Blandy Avenue, the Barefoot Bar, with its "footloose" atmosphere, is open for your pleasure Wednesdays and Fridays during the regular Friday work week and Thursdays during the flex Friday work week. The Barefoot Bar also features BBQ grills and a bandstand area that's perfect for special events such as concerts, "burnyour-own steak" nights, private parties or reunions. To reserve the BBQ area, call 939-8662.

#### CHILD DEVELOPMENT CENTER = 939-3171

Located on Nimitz Avenue and Mitscher Road, the Child Development Center is a developmentally appropriate program for children through pre-kindergarten age. This program received national accreditation and is one of the best child care options for your family. Another option to consider for your day care needs is the Family Child Care (FCC) Program. This program provides an environment similar to the home, may have more flexible hours and fees, and may meet the special needs of the child better. FCC providers must be trained, certified and meet stringent guidelines to participate in the FCC program. The Child Development Center is eager to answer your questions.

#### YOUTH = 939-7135 AND TEEN = 939-8336 PROGRAMS

The Youth Program features Kinderooz for ages 5 - 6, School Age Care for ages 6 - 12 and Castle "X" Teen/Youth Sports Center for ages 13 -17. School Age Care is located on the corner of King Street and Hussey Road, Kinderooz is located at Nimitz Avenue and Lauritsen Road, and Castle "X" is on the corner of King Street and Richmond Road. School Age Care and Kinderooz are recreational and educational programs for children in kindergarten through 6th Grade. This program curtails the latchkey problem faced by most children and parents in today's work force. Besides the regular beforeand after-school care, the Youth/Teen program caters birthday parties and offers intramural sports, roller skating instruction, inline hockey, vacation camps, holiday programs and parties and an extensive summer youth program. Plus the program includes many classes and field trips and it guarantees fun during the hot summer months.

#### LIBRARY = 939-2595

Located on the corner of Blandy Avenue and Richmond Road, the Library catapults you to new worlds, faraway places as you experience and learn without ever leaving your friendly library chair. Reading not only improves your knowledge and reading skills, but it reduces stress and instills a desire to read in all family members. The China Lake Community Library is open 7 days a week and houses a variety of reading materials for the entire family in addition to music items and resource materials.

#### Morale, Welfare & Recreation

The Learning and Resource Center is a new high-tech feature that permits customers to use computers, on-line services and CD-ROM research tools.

#### CHINA LAKE GOLF COURSE 939-2990

Located on Halsey Street, this 18hole golf course and snack bar delights golfers of any age. The course features a putting and chipping green and a driving range. Earn savings by purchasing the popular "punch cards," and use it on rounds of golf or carts. The Golf Pro Shop displays a variety of retail items and can special order any golf accessory you want or need. The snack bar offers a diversity of food items and cold beverages. Plus, the snack bar breakfast special is a great way to start your golfing experience. For a weekend tee time, phone Thursday mornings after 7 a.m..

#### ATHLETIC/ FITNESS COMPLEX 939-2334

Located on Blandy Avenue, the Athletic/Fitness Complex features the

best gymnasium, sports and fitness programs in the high desert and, unofficially, the "Navy." The complex includes an extensive seasonal intramural-recreational sports program for team or individual competition, a large outdoor community pool, a physical fitness testing program, an indoor pool, state-of-the-art weight room and equipment, racquetball courts, basketball/volleyball courts, gym floor, tennis courts, fitness par course, gear issue (summer and winter activities), karate, aerobics and aquacize classes.

#### OUTDOOR RECREATION CHECK OUT CENTER 939-3006

Located behind Bennington Plaza, visit the Outdoor Recreation Checkout Center and reserve and rent camping tents, cook sets, lanterns, sleeping bags, portable generators, 18-foot airconditioned hardtop camp trailers with microwave ovens, tent trailers, utility trailers, horse trailers, boats with trailers, tennis racquets, volleyballs and nets, horse shoe sets, mountain bikes, portable propane BBQ



grills, 6-foot metal tables or metal chairs for your next recreational excursion.

#### HALL LANES BOWLING CENTER = 939-3471

Located on King Street, Hall Lanes Bowling Center is your one stop for bowling fun seven days a week. Enjoy 10 "New" computerized scoring systems, synthetic lanes and brand new pinsetters, as well as a fabulous snack bar serving everything from salads to their famous cheeseburgers. The retail shop houses bowling accessories and offers an extensive special-order department for your bowling needs. The Bowling Center offers seasonal bowling leagues to suit your busy recreational schedule.

#### CRAFTECH (ARTS & CRAFTS CENTER) 939-3252

Located on the corner of King Street and Richmond Road, Craftech Center sponsors diverse arts and crafts classes. Treat yourself and friends to a state-of-the-art woodworking center, expanded crafts supplies for sale and the Four Seasons gift shop. The center retails Naval Air Weapons Station memorabilia to include such items as cups, patches, caps, shirts, plaques and special order items. Perhaps these items may inspire you to create an arts project by participating in the classes offered.

#### **AUTO HOBBY CENTER 939-2346**

Located on East Inyokern Road, the Auto Hobby Center offers customers a place to work on their own vehicles. Periodic vehicle maintenance lessens the odds of car trouble on your return from a favorite vacation spot. Auto Hobby also houses a wheel-balancing machine, paint booth, engine-analyzing equipment, hoists and two car washes. The Auto Hobby Center is also home of the famous "Lemon Lot," the best place on base to park and sell your car or to buy one.



A Stinger Missile impacts an F-14 Tomcat test article just after sunrise on the Land Range.



# COMPETENCIES

#### COMPETENCY ALIGNED ORGANIZATION

All employees of NAVAIR are part of the NAVAIR Competency Aligned Organization. Each employee is aligned into one of the six competencies or "groups" at the Naval Air Systems Command Weapons Division and Naval Air Weapons Station China Lake.

When people are aligned by competency, NAVAIR is linked by professional communities and has information that allows identification of the organization's total resources pool and capability. Multidisciplinary subgroups, known as integrated program teams (IPTs), externally directed teams (EDTs), product support teams (PSTs) and enterprise teams (ETs), are formed by assignment of personnel from the various competencies. Competency alignment allows the command to locate shortfalls and excesses in skills, distribute them efficiently and achieve a balance to meet customer requirements.

#### NAVAIR WD MISSION

The mission of WD, as part of NAVAIR, is to provide our forces with effective and affordable integrated warfare systems and life cycle support to ensure battlespace dominance.

#### 2.0 CONTRACTS

The Contracts Competency provides the people, processes, skills, knowledge, facilities and equipment necessary to manage and efficiently and effectively perform the contracting and simplified purchase functions for NAVAIR WD.

The Business Systems Office provides a wide range of administrative, procurement and automation support to all sites of the Contracts Competency.

Each of our departments provides the full range of activities required in the planning, execution and administration of contracts in support of the technical requirements. Our contract teams provide key members for Team IPTs, ETs and EDTs for the planning, execution and administration of contracts and simplified purchases.

#### China Lake Research & Engineering Contracts Department

The Research and Engineering Contracts Department, with teams located at China Lake, performs the complete contracting function for the Research and Engineering Competency (4.0). In addition, the department also provides the "Omnibus" Contract Support for all of NAVAIR WD.

#### China Lake Test and Evaluation, Logistics and Command Support Contracts Department

The Test and Evaluation, Logistics and Command Support Contracts Department, with teams located at China Lake, performs the complete contracting function for the Test and Evaluation Competency (5.0), Logistics Competency (3.0), and command support competencies (2.0, 7.0, 8.0), as well as all tenant activities. In addition to the full compliment of contract functions, this department also provides simplified acquisition purchase, contract closeout support and SPEDI functional support at the China Lake site, as well as purchase card support for all of NAVAIR WD.

#### Point Mugu Contracts Department

The Point Mugu Contracts Department performs the complete contracting function for all competencies and tenants located at the Point Mugu site, providing the full range of activities required in the planning, execution and administration of contracts, simplified acquisition purchase, contract closeout and purchase card support.

#### 3.0 LOGISTICS

The Logistics Competency provides the resources to develop, plan and integrate support considerations into designs; and to establish and maintain integrated logistics support (ILS) capable of supporting fleet operations and maintenance throughout the full life cycle of aviation weapon systems and related equipment.

#### Logistics Integration Management Department

The Logistics Integration Management Department provides the resources to manage the planning, development, acquisition, integration and delivery of all ILS elements to design, support and maintain a system. Logistics management is continuously performed during all program phases from concept exploration through disposal.

#### Design Interface, Maintenance Planning Department

The Design Interface, Maintenance Planning Department Provides the people, skills, knowledge, processes, facilities, technical data equipment and tools required to establish and maintain design interface, perform continuous maintenance planning and provide continuous maintenance engineering services from concept exploration through disposal to ensure maintainability, readiness, supportability and affordability.

#### Technical Data Department

The Technical Data Department provides the resources to plan for,

access, acquire, produce, store, distribute and maintain technical data (technical manuals and publications; and technical data packages) for aircraft, weapons, targets, unmanned aerial vehicles, common avionics, training systems and support systems. Configuration management as it applies to technical data is integrated into the department's processes.

#### Manpower, Personnel and Training Systems Department

The Manpower, Personnel and Training Systems Department provides the resources to plan, develop and integrate the fleet manpower, personnel and training systems support requirements during systems acquisition and all phases of life-cycle management. Provides weapons and target maintenance technical training concurrent with initial fleet operational capabilities.

## 4.0 RESEARCH & ENGINEERING

The mission of the Research and Engineering Competency (4.0) is to provide the people, processes and facilities necessary to support the maritime research and engineering needs of technology development, system acquisition and product support of all naval aviation aircraft, weapons and support systems.

**Michelson Laboratory**, the heart of China Lake's R&D operations, is actually a complex of research and engineering labs, computer facilities, specialized shops, test facilities and offices. "The Lab" is equipped for basic and applied research in chemistry, physics, mathematics, aerophysics, electronics, metallurgy and more.

Within the Michelson Laboratory compound is the **Integrated Battlespace Arena (IBAR).** The IBAR is a vast collection of simulation and modeling facilities and capabilities. Facilities include the High Performance Computing Distributed Center (HPCDC); the Real-Time Hardware-in-the-Loop (HWIL) Lab; the Dual-Mode Laboratory; the Mission Planning Facility, the EO/IR Systems Evaluation Laboratory; the IR Scene Presentation Laboratory; the Navigation Laboratory (NavLab); the Precision Engagement Center (PEC); the Virtual Prototyping Facility (VPF); and the Data Link Network Integration Facility (DLNIF).

This 50.000 square foot secure laboratory and test complex provides an environment for everything from component level testing of weapon systems all the way to full force level battlespace engagements. The IBAR is a node in a battlespace environment or network centric warfare setting and allows customers a "system" level approach to the problem in an end-to-end environment. The IBAR is directly linked to the Range Control Center at China Lake as well as the F/A-18 Advanced Weapons Lab and, through a variety of commercially available high-speed networks, may be connected very quickly to other similar laboratories and ranges for the purpose of distributed testing. IBAR is forging the way for finding new methods of integrating modeling and simulation with live testing. This type of testing allows repeatability, saves money and instills confidence prior to live events. Collecting telemetry and other test data and comparing with results of the simulations allows verification, validation and analysis of the simulation environment. Some of the customers using the IBAR are Sidewinder AIM-9X, RAM, SLAM-ER, DAMASK, ANGEL, JMPS and many smaller developmental efforts.

Also in the Michelson Lab compound is the **Engineering Laboratory**, built in the late 1980s to provide, under one roof, a complete integrated engineering capability including engineering and engineering support functions, product assurance, interactive graphics and full documentation functions.

**Lauritsen Laboratory**, across the parking lot from Michelson Lab, is fully equipped for optical research and includes specialized test facilities for realistic testing of equipment designed to function at sea or in the air. This laboratory is primarily used and

uniquely equipped for the research and development of laser and optical devices and components.

The **Dr. Jon A. Wunderlich Laboratory,** the Missile Engagement Simulation Arena (MESA), supports existing and new weapon systems development. It is designed specifically to simulate the terminal engagement of a guided missile fuze with a target.

The high-bay simulation arena is 150 feet wide, 405 feet long and 90 feet high. The facility accommodates actual airframes, allowing precise motion/ position control of fuze and target. No other facility in the world has this combination of precision and the ability to use full-size targets.

Through a combination of innovative simulation technology and facility, the Wunderlich Laboratory offers costeffective, timely and accurate data on missile/target engagements. Among the uses of the multimillion dollar facility are: evaluation of missile lethality,





evaluation of air-vehicle survivability, accurate measurements of sensor properties and development of new anti-air weapons to meet new threats. While the lab is owned and operated by the Navy, customers include all branches of the U.S. military and possibly allied military forces. The size of the facility allows China Lake to test full size targets and fuzes. The new lab has the capability to use targets up to 25,000 pounds.

The China Lake and Salt Wells Pilot Plants, built early in the China Lake history, now function as the **China Lake Propulsion Laboratories (CLPL)**, the U.S. Navy's principal center of excellence for research and development of ordnance and missile propulsion systems.

The physical plant comprises 45 square miles of Mojave Desert with more than 300 buildings located east of the China Lake main site area.

The laboratories have a solid rocket propellant mixing capability from 1/4 pint to 150 gallons; capability for extrusion, melt-cast and injection loading of explosives; remote machining capabilities for propellants and explosives; and casting capacity to six feet in diameter. Also in this area are specialized labs for air breathing propulsion, composite structures, properties analysis, actuation and control, ballistics, energetic materials and fuzing.

CLPL engineers and scientists have advanced technology in a variety of areas. Evidence of their numerous significant achievements and contributions are found in U.S. weapons such as Sidewinder, Sparrow, HARM, Vertical Launch ASROC, Tomahawk and others. Although the role of the China Lake Propulsion Laboratories has changed over the decades from a production plant to a research and development facility, their mission remains to provide the U.S. military with world-class technical capability for research and development of ordnance and propulsion systems.

The **Advanced Weapons Laboratory** (**AWL**) is home to the F/A-18 Weapon System Support Activity (WSSA). The WSSA provides life cycle systems engineering for USN, USMC and FMS F/A-18 mission systems. The 84,480-square foot AWL comprises an aircraft hangar (28,000 sq. ft.); computer laboratory (29,000 sq. ft.); and office complex (27,000 sq. ft.). Sensor testing takes place in a dual-level, 108-foot tall tower.

The facility, opened in June 1998, hosts the Software Development Task Team (SWDTT) and the Information Technology/Information Systems (IT/IS) Team. The facility is designed to house 66 people with individual cubicles, a conference room and a library area.

The WSSA laboratory facilities can perform research, development, integration and test of all variants of the F/A-18 weapon system. These elements can include everything from a complete "full-up" F/A-18 suite to any selected subsystem. Testing can combine real or simulated equipment, with real-time control, monitoring and data collection. The system can use real or simulated weapons, sensors and targets. Actual F/A-18 sensors are in the tower and can view the real world as well as a simulated "world." The lab has real-time links with the China Lake Range, GPS satellite simulator, electronic warfare (EW) facilities, missile/ weapon hardware-in-the-loop facilities and sensor labs. Via these links, the facility can operate the F/A-18 test processes with increasing realism up to operation with actual airborne aircraft, weapons, threats and targets. The AWL complex provides a high-fidelity simulation of all existing and future F/A-18 functional capabilities.

The **Technical Library** operates information facilities at China Lake. The Tech Library contains a sizable collection of scientific, technical, computer and managerial books, reports and periodicals.

The Technical Library is here to provide for all your scientific and technical information needs. In addition to its holdings, the library offers a gateway to a vast amount of information via its many virtual resources. The Tech Library offers electronic access to the Defense Technical Information Center, online commercial databases, a local network of information products, Specifications, Standards, and thousands of Internet sources.

The library staff welcomes suggestions for the selection of books, periodicals or reports to add to the collection. To suggest materials, submit your request to the Technical Library, Code 4TL000D. If you have need of a literature search, reference or research assistance please call 939-3389 or 939-1017. The library staff welcomes your queries.

Civilian employees and military personnel with proper WD identification may use the library facilities. DoD contractors may have access to the open literature, provided that their NAVAIR WD sponsor submits a written request specifying the requirement for contractor access.

For complete information, contact the China Lake Information Hub at 939-3389.

The Technical Library is located in the north end of the Michelson Laboratory Compound. Hours: 7:30 a.m. to 4:30 p.m., Monday through Thursday, closed Friday. The Research Services Center is located in Michelson Laboratory, Room 125.

#### **5.0 TEST & EVALUATION**

The T&E Competency for NAVAIR WD is headquartered at Point Mugu. The competency is tasked with maintaining the technical knowledge, processes and facilities required to support the planning, conduct, monitoring and reporting of tests for the development, production, evaluation and fielding of air warfare systems, subsystems and support systems.

#### Pacific Ranges and Facilities Department

The Pacific Ranges and Facilities Department integrates a comprehensive spectrum of land, sea, electronic combat and ground test assets. At China Lake this includes 1,700 square miles of dedicated land test ranges underlying more than 20,000 square miles of restricted air space. Following are descriptions of China Lake's major range facilities.

The **Strategic Systems Propulsion Test Facilities (Skytop)** began in support of the Polaris submarine-launched ballistic missile program. Skytop remains the Navy's largest and best instrumented static-firing rocket motor test installation. This includes a Radiographic Inspection Facility, giving China Lake unique abilities to support the development and introduction of improved designs for the Trident II strategic missile system.

The **Supersonic Naval Ordnance Research Track (SNORT)** is a heavily instrumented track for very high speeds, long-duration runs, heavy carriages and controlled deceleration. Ejection systems, missiles, rockets, bombs and various components and guidance and fuzing systems are typical SNORT payloads. SNORT is equipped for environmental simulation (including rain) and evaluation during test runs and is unique in its utility for highexplosive runs.

Over the years, the China Lake test and research tracks have supported everything from rocket-fuze functions to spacecraft escape systems. The G-4 Track ends in a 500-foot drop-off into an open valley, providing a unique capability to evaluate test articles at altitude without launching aircraft.

The Land Range Facilities provide a full-spectrum T&E complex for conventional weapons and aircraft systems. With more than 1.1 million acres, the China Lake land ranges provide a large, secure, highly-instrumented air-range and ground-range complex for testing of live and inert missiles, rockets, guns, lasers and aircraft systems. A broad selection of targets, both fixed and mobile, is also available for day or night operations, making the land ranges an ideal environment for testing. The Coso Tactical Training Range and Superior Valley offer fleet aviators a variety of realistic targets for fleet training.

The **Electronic Combat Range (ECR)** is a secure, free-space laboratory that provides engineering support, analysis and training resources to developers, integrators, testers and users of systems that counter or penetrate air defenses.

Electronic warfare resources include a full complement of actual and replicated sea and land-based threat systems, command and control (C2) systems, sophisticated instrumentation systems, weapons fly-out models, unmanned air vehicle (UAV) runways and a hangar. These resources support all types of electronic combat testing, training, tactics development, dynamic radar-cross-section (RCS) measurements and special operational training.

The **Etcheron Valley Ranges** are located in a remote valley that provides a high-security and RF-interference-free





environment. Precision RCS measurements in seven frequency bands, high power microwave testing, GPS Jamming, and Antenna Calibration are performed in this area.

#### Threat/Target Systems Department

The Tactical Air Combat Range Integration Facility (TARIF) provides development, integration, test, installation and test of software, weapons simulations and hardware upgrades to the Navy Tactical Aircrew Combat Training System (TACTS) and Air Force/Air National Guard Air Combat Training System (ACTS) training ranges. Aircraft positions are tracked and displayed. Weapon trigger events are down linked and initiates the associated TACTS weapons flyout simulation with engaged aircraft or ground target. End game results are calculated and displayed. Tactical training missions and weapons events are recorded for playback during aircrew debrief.

The Aircrew Electronic Warfare Tactical Training Ranges (AEWTTR) Program provides system acquisition and integration of surface-to-air electronic warfare threat simulators for the EW tactical training ranges. Simulators are integrated with the associated weapons simulations in the Navy TACTS and ACTS and with range communication multiplexers. The emitted threat waveforms from the threat simulators stimulate the warning receivers of the engaged aircraft inducing a tactical response from the aircrew.

The **Electronic Combat Threat Simulator Branch** provides systems acquisition from concept exploration through functional deployment of threat-based weapons and targets. Projects include electro-optical, infrared, ultra-violet and RF simulation systems covering a wide spectrum of existing and future threats. Threat simulators are integrated at the Electronic Combat Range for T&E of airborne Electronic Warfare systems.

The **Target Operations Division** provides the maintenance and operation and test and evaluation of airborne and seaborne targets. Airborne includes full-scale aircraft and missile targets, sub-scale missile and towed targets. Seaborne includes self powered, towed and free floating targets. Targets are operated on various ranges. Passive and active full-spectrum augmentation can be added to simulate a wide variety of threats.

The **Target Control Systems Branch** provides design, development, procurement, assembly and integration, installation, test, evaluation, configuration, and upgrades to Navy Target Control Systems and supports all Navy activities operating Target Control Systems. Target control systems are used to control subscale and full scale, subsonic and supersonic aircraft and missile targets for T&E of airborne and seaborne weapons systems.

### Test Article Preparation Department

The mission of the Test Article Preparation (TAP) Department is to be a world leader in weapons and aircraft instrumentation. It develops technologically advanced, high-accuracy and low cost telemetry systems to be consistent with weapon and aircraft platform technology that is being evaluated, and it ensures data transmitted to the ground meets customer requirements and is compatible with range standards.

The Test Article Preparation Department utilizes people, facilities and resources from China Lake and Point Mugu to design, fabricate and test antenna and telemetry system designs that incorporate data-encryption, Global Positioning System (GPS) technology, inertial measurement units (IMU), video compression and a variety of other customer specific requirements. TAP can manufacture these systems by utilizing one or more of the following design/fabrication techniques: surface mount and through hole circuit card design; thick and thin film hybrid microelectronic design; and advance packaging. Testing capabilities include telemetry spectrum analysis using anechoic chamber, RF antenna radiation patterns and automated test station design, which provides component level and system level testing capability. Additional automated test set designs include testing flight termination receiver performance for range safety applications.

#### **Test Wing Pacific**

Test Wing Pacific has weapons test squadrons (WTSs) at Point Mugu and China Lake. The Dust Devils of WTS

China Lake provide the aircraft, aviators and aircrew to support the NAVAIR WD RDT&E mission. The F/A-18 Hornet and the AV-8B Harrier are the principal aircraft flown by the Dust Devils, but all attack aircraft in the Navy and Marine Corps inventory, including the AH-1W, are used in the China Lake mission. More than 6,000 hours of test and training flights are logged by WTS pilots each year. Most of the test flights are in support of aircraft weapons integration programs at NAVAIR WD.

## 7.0 CORPORATE OPERATIONS

The Corporate Operations Competency provides a wide variety of support, products and services that allow the other competencies to achieve their missions. Functional responsibilities within the competency include strategic planning, information systems management, human resources, personnel, information and network security, and public affairs. These functions are performed within the 7.0 Competency in direct support of each of the other competencies. These functions cross the entire command and enable the other competency leaders to focus on their specific competency responsibilities.

#### Information Technology/ Information Management Department

The Information Technology/Information Management Department (IT/IMD) provides IM products and services to NAVAIR WD competencies and teams. The IT/IMD is organizationally structured to provide these products and services by way of product-line projects and competency-provided resources, processes and internal support. The IT/IMD enables customers to exchange, share and store information when needed and provides the training required to use it. Those elements that make up IT/IMD infrastructure include communications, computing systems, software applications, support services, people, processes, skills/ training and guidelines, standards and policies.

#### Human Resources Department

The Human Resource Department provides the full spectrum of programs and activities necessary to recruit, develop and retain a skilled work force for the Weapons Division at optimum cost and efficiency needed to support the NAVAIR WD mission.

#### **Security Department**

The mission of the Security Department is to provide security service to NAVAIR WD. Functions include the implementation and management of programs to protect information, material and information systems from natural or manmade disasters, loss, theft, sabotage, terrorism or espionage. The Security Department coordinates foreign disclosure and security clearance actions to ensure personnel who handle classified information or are assigned sensitive duties are appropriately cleared; implements policy and accredits ADP systems to handle classified or sensitive information: controls crypto material and equipment; and provides assistance in identifying critical information, obtains threat data. identifies vulnerabilities and implements appropriate countermeasures.

#### **Public Affairs Department**

The department functions include media relations, community relations, public involvement, congressional liaison, review of material intended for public release and internal communications programs.

The Public Affairs Officer is the representative of the Weapons Division command and NAWS China Lake commanding officer to the news media and the public. All official contacts with off-Station news media and presentations to the community must be coordinated with Public Affairs. A speakers bureau of available personnel to speak before community groups is maintained by the Public Affairs Department.

The department provides public affairs counsel and services to all NAVAIR WD organizations and tenants and a variety of information services to the entire community, including the command newspaper, *The Weaponeer*, which is published bi-weekly on the Thursday before payday.

#### Program and Business Analysis Department

The Program and Business Analysis Department was established to best meet the current and future business/ financial needs of the NAVAIR Team. The department provides a trained and ready pipeline of business/financial managers and ad-ministrative officers to program and competency customers throughout the command. The department provides consistent career development, guidance, effective advocacy and mentorship for the business/financial management community members. The department further provides a means to compel common business and financial processes, policies and tools to prepare the Team for the future. Additionally, it provides workload planning and resource information management to the Command.

#### **Comptroller Department**

The Comptroller Department serves as the principle advisor to the command and to all external authorities and organizations on financial matters and financial management policies. The department directs and maintains an integrated system of operations and systems involving financial planning; programming; budget formulation, review and execution; financial management and execution programs and systems; funding administration; accounting; financial customer service; and reporting to ensure complete policy implementation. It receives, issues and ensures the proper application for all funding. The department provides financial and accounting services to all internal organizations and to external organizations (tenants) as required: serves as liaison between the itself and its customers, NAVAIR and other activities: evaluates financial performance and project trends and initiates actions as necessary to adjust plans, funds, costs, rates or resources; implements new financial accounting system design or modifications for NAVAIR WD.

#### **Office of General Counsel**

The Office of General Counsel serves as the counsel to and primary legal advisor of the NAVAIR WD commander and staff within the framework of the Office of General Counsel (OGC) of the Navy. The counsel and staff provide a wide variety of legal services to the other competencies including, but

not limited to, advice and counsel required for commercial and procurement actions, equal employment opportunity issues, civilian personnel and labor management, facility and environmental actions and issues; intellectual property services primarily involving patent prosecution; provides legal representation for the command before all administrative and civilian court forums as required; serves as the Ethics Counselor and administers the NAVAIR WD Standards of Conduct and the Freedom of Information Act Programs.

#### 8.0 SHORE STATION MANAGEMENT

The Shore Station Management Competency comprises personnel in the Naval Air Weapons Station China Lake with the commanding officer as head of the competency. The CO is responsible for the physical infrastructure of the entire facility — buildings, grounds, roads, utilities, environmental, safety and physical security — and all elements related to its maintenance and improvements and the welfare of its military residents and tenant organizations. The men and women of the 8.0 Competency are assigned the mission of operating and maintaining base facilities and providing base support services, including airfields, for NAVAIR WD, assigned tenants and activities and transient units. The 8.0 Competency also oversees such functions at the San Nicolas Island facility 60 miles off the California coast. Many of the competency's responsibilities are detailed in the Services & Facilities and MWR sections of this brochure.

#### Military Services Department

Serving the military personnel, Military Services includes an administrative office staff, Retention Program, Drug and Alcohol Program Advisor, Equal Opportunity Program Educational Service Office and Military Manpower Division. They process incoming and outgoing correspondence and message traffic on matters concerning military personnel assigned to the Naval Air Weapons Station and certain personnel assigned to the NAVAIR Weapons Division. Military Services is also liaison for certain personnel administration functions to the Personnel Support Detachment and processes most military temporary and travel orders.

#### **Supply Department**

Supply performs the functions of receiving, issuing, shipping, delivery, storage, inventory management, stock control and personal property. It provides the support for organizational and intermediate levels of aircraft maintenance and receives, stores, issues and delivers aviation fuels, liquid oxygen and liquid nitrogen for aircraft operations.

#### Facilities Support Department

Facilities Support is a service organization, its mission is to provide professional and technical public works engineering, planning, construction, maintenance and transportation expertise to its customers, both internal and external, and to develop and maintain a work force that is expert, innovative, efficient, motivated, responsive, diverse, entrepreneurial and environmentally sensitive.

#### **Public Safety Department**

Public Safety provides fire, force protection, disaster preparedness and safety services. The Fire Division provides fire suppression, fire prevention, rescue, ambulance and emergency management services. The Force Protection Division provides law/traffic enforcement, vehicle mishap investigation, criminal investigation, visitor control, pass and identification services, physical security program services, disaster preparedness planning and security alarm services. The Occupational Safety and Health Division implements the Navy's explosive, occupational, radiation and recreation safety programs.

#### Air Operations Department

Air Operations operates and maintains airfield facilities, including runways and taxiways, arresting gear, optional landing systems, airfield lighting, air navigation aids, communication equipment, air traffic control tower, air terminal, including flight planning and air traffic control services. The department also coordinates fleet liaison requirements, ensuring appropriate airfield or base support facilities are available for tenant and visiting aircraft units.

#### Community Support Department

Community Support is a service organization that comprises Morale, Welfare and Recreation (Sports and Fitness, Aquatics, Outdoor Recreation, Golf, Wreck Center, ITT, Library, Child Care, Youth Activities, Auto Skills Center, Bowling, Craftech and Stables), Family Housing, Personal Property, Combined Bachelor Housing and Fleet and Family Support Center. The mission of the Community Support Department is to provide professional and technical quality of life services and expertise to its customers, both internal and external, and to develop and maintain a work force that is expert, motivated, efficient, entrepreneurial, innovative, responsive and diverse.

#### Environmental Department

Environmental is responsible for ensuring that the installation is in compliance with all applicable federal, state and local laws and regulations, and with Navy and DoD environmental instructions and policies. Environmental also manages the natural and cultural resources programs including endangered species and National Register of Historic Places properties. The staff represents the full spectrum of environmental expertise to support not only the installation mission, but that of the program executive offices and acquisition managers as their missions relate to NAVAIR WD. Pollution Prevention is a cornerstone of Navy environmental policy. This function entails hazardous material management, hazardous waste management and solid waste management.

#### Weapons Department

Living by the motto, "People First -Mission Always," Weapons receives, stores, assembles and issues all types of weapons and energetic material in support of the research, development, test and evaluation programs being conducted by all commands using the many facilities aboard NAVAIR WD.



# TENANT UNITS AT CHINA LAKE

## AIR TEST AND EVALUATION SQUADRON NINE (VX-9)

VX-9, originally Air Development Squadron Five (VX-5), was commissioned in 1951 at Naval Air Station Moffett Field, California, with 15 officers, 100 enlisted men and nine AD Skyraider aircraft. The squadron, under the operational control of the Commander, Operational Test and Evaluation Force (COMOPTEVFOR) and under the administrative control of Commander, Naval Air Forces Pacific, moved to China Lake as an independent tenant command in 1956 to take advantage of vastly improved ranges and instrumented facilities. The squadron's first commanding officer was CDR. T. J. Walker.

#### **Tenant Units**

In June 1993, the Chief of Naval Operations directed the consolidation of VX-4 at Point Mugu and VX-5 at China Lake into a single Operational Test and Evaluation Squadron designated VX-9. The consolidation was completed in April 1994.

Today, more than 300 VX-9 Vampires support 20 aircraft including the FA-18 Hornet, F-14 Tomcat, EA-6B Prowler, AV-8B Harrier and the AH-1 Cobra.

The squadron has kept pace with changes and improvements of Navy/ Marine Corps strike aircraft and attack helicopters, conducting independent operational test and evaluation of all air-ground and air-air weapons, new aircraft such at the recently tested FA-18E Super Hornet and software upgrades to aircraft and weapons alike. Additional requirements have been met in testing electronic warfare, countering defensive systems through maneuvers and expendables, on board jammers, and developing and refining tactics which support new technologies.

#### Marine Aviation Detachment

Marines have been stationed at China Lake since the beginning in 1943. The Marines were assigned to the Marine Barracks China Lake. Initially, their mission was to provide security for the test and development facilities located



here. When the Marine Barracks was decommissioned, Marine presence at China Lake was significantly reduced. The Marine Corps maintained a liaison office at China Lake, with their Headquarters located at Point Mugu.

On January 12, 1988, the commandant of the Marine Corps activated the Marine Aviation Detachment at China Lake. Effective September 30, 1993, the Marine Aviation Detachment, Point Mugu was disestablished as a separate command and integrated into the Marine Aviation Detachment. China Lake, conducting the same functions but consolidated under the administrative control of the detachment at China Lake. Marines assigned to the detachment support RDT&E efforts, as well as provide support to Marine Corps units and programs that conduct operations and testing aboard the two stations. Marines also contribute to the operational test and evaluation mission at VX-9.

#### EODMU Three Det China Lake

EODMU Three Detachment China Lake is another tenant activity of the Naval Air Weapons Station. Literally the local Navy "bomb squad," the detachment provides routine and emergency services in explosive ordnance incidents to NAWS, local, state and federal agencies. The det also directsthe NAVAIR Weapons Division in primary research, design, development, test and evaluation of air weapons and associated aircraft systems into strike, anti-surface and antiair warfare aircraft.

#### **Other Tenant Units**

Operations at China Lake are supported and complemented by a number of other tenant units. These include the Personnel Support Activity Detachment, Defense Printing and Publications Service Detachment Branch, Naval Criminal Investigative Service, Defense Investigative Services and representatives of the Western Division of the Naval Facilities Engineering Command. The Branch Medical/Dental Clinic described in the Services and Facilities section of this brochure is also a tenant organization.



# SURROUNDING COMMUNITIES

#### **RIDGECREST HISTORY**

Like many regions of the Old West, the Ridgecrest area maintains a colorful history of Native American tribes, Spanish explorers and missionaries, gold prospectors and struggling settlers. It was in 1912, however, that the area of the Mojave Desert known today as Ridgecrest was homesteaded by the Robertson family. John McNeil bought the land after Robertson's death and started a dairy. The next owner of the land and dairy was a man named Crum, and the area became known as Crumville.

#### Surrounding Communities

Crumville grew slowly, remaining an isolated settlement for many years. In 1939, a store and gas station were established by Bill Bentham. Bentham later became the first postmaster of Ridgecrest. His daughter, Donna, became Ridgecrest's first librarian when she was only 10 years old.

Initially, the residents of this small settlement wanted their own town named Sierra View. Postal authorities, however, had to reject this name because there were too many "Sierras" in California. The name Ridgecrest was suggested by Mrs. Ada Thompson because she knew a Ridgecrest in Missouri that had left her with pleasant memories.

In November 1963, Ridgecrest was incorporated as a city, and its citizens adopted a council-administrator type of government. With a current population of more than 26,000, Ridgecrest is the county's third largest city.

#### **Ridgecrest Today**

Ridgecrest has the dual advantages of a highly educated population and small-town amenities. The city is the main marketing and commercial center for the surrounding Indian Wells Valley. Ridgecrest also offers services for those living in Trona, 25 miles to the east, Johannesburg and Randsburg (in the Rand mining district), 20 miles to the south; and several other nearby communities.

A wide variety of shopping facilities and businesses is available in Ridgecrest. Major supermarket chains maintain local stores and there are also smaller markets and convenience stores. Various financial institutions provide services for the community, while all kinds of retail outlets meet the general shopping needs of residents.

A central complex includes a post office, municipal court, county building, library and the Maturango Museum. This museum highlights the area's prehistoric archeology, including Stone Age tools. Occasionally, the museum conducts guided tours into the nearby Coso Hills on NAWS China Lake land, where an array of Indian rock art are found.

A Civic Center complex, including City Hall and Kerr McGee Community Center, opened in 1989. Designed to accommodate the social and recreational needs of the community, Kerr McGee Community Center provides the perfect setting for a variety of special events, including conferences, seminars, banquets, dances, meetings and receptions. The four-acre city park on the site provides a relaxing, functional atmosphere for the many events staged at the center.

Annual events include the California State Agricultural Fair in September, held at Desert Empire Fairground. Another major community event is the annual Spring Festival in May. During this festival, local organizations participate in tours, races, wildflower and art shows, among other activities.

Scores of clubs in Ridgecrest and China Lake cater to virtually every conceivable interest. In particular, there are theater groups, orchestras, choirs and other artistic organizations welcoming volunteer performers or behind-thescenes workers.

All major denominations have places of worship in the valley. A list of these organizations is available from the Chamber of Commerce.

Ridgecrest Regional Hospital, Sage Community Health Center, Drummond Medical Group and Southern Sierra Medical Clinic provide health care for the community, as does a large number of well-qualified doctors and dentists.



#### **Surrounding Communities**



The Sierra Sands Unified School District provides education for all valley residents, from kindergarten through an adult evening school. A selection of private schools is available as well.

The community also has opportunities for higher education. Cerro Coso Community College offers two-year degrees and vocational training in a wide variety of subjects. Day and evening classes are scheduled yearround. Many classes are offered online.

City officials and China Lake Command work as good neighbors to make the Indian Wells Valley a pleasant place to live and work.

#### **Other Communities**

Around China Lake and Ridgecrset are a collection of cities and towns offering a variety of things to do. From country living to cosmopolitan wining and dining, and from high tech centers to wide-open recreational areas, these surrounding communities provide a full spectrum of activities for every taste. Following are highlights from each area.

Located about 10 miles west of Ridgecrest and China Lake, **Inyokern** is a small, semi-rural community of approximately 2,000 residents. The name comes from its proximity to the boundary of Inyo and Kern counties.

**Boron**, located on Highway 58, is the site of a giant open pit borax mine. It is from the element boron that the community got its name. This pit is the largest in the world and even though it is not open to the public, you may learn its history at the Twenty Mule Team Museum, located on Twenty Mule Team Road.

Annual events at Boron include Twenty Mule Team Days, which take place in October. In the spring, rock buffs and amateur geologists flock to Boron's Annual Rock Bonanza.

The seat of Kern County, **Bakers***field* is at the heart of California's "Golden Empire." It is a thriving, metropolitan community. There are more than 140 retail establishments downtown, complemented by dynamic business centers, restaurants and theaters. Other major shopping areas include Valley Plaza and East Hills Mall, with more than 130 stores combined, which draw shoppers from all over the region.

Located about nine miles east of Bakersfield, is Hart Park, a weekend summertime haven for residents. Located on the banks of the Kern River, the park is 370 acres of cool, green quiet. Its large, leafy trees provide shade for many activities, including barbeques and picnics. The highway leading out of the park connects with the 28-acre Kern River Campgrounds and the 205-acre Lake Ming Park, where swimming and boating are permitted.

Starting as a private commercial development, *California City* now ranks as one of the largest cities in land area in California.

Recreational areas include Central Park, which offers swimming, boating and fishing, lighted tennis courts, basketball and volleyball courts, picnic facilities, two children's playgrounds, bicycle rentals and a marina facility.

**Trona** is an active mining town bordering Searles Lake, about a half-hour's drive east of the Station. The unique mining process features minerals pumped from beneath the dry surface of a prehistoric lake bed using a waterextraction process.

#### **Area Recreation**

Within a short drive from Ridgecrest and China Lake there is a wealth of recreational opportunities that are worth exploring when you are ready to

#### Surrounding Communities

relax and enjoy yourself. Some of the more popular destinations include:

An 11,000-acre manmade lake, **Lake Isabella** is the largest freshwater lake in Southern California with 38 miles of shoreline. A favorite destination for residents, Lake Isabella offers camping and hiking. Boats for fishing or exploration may be rented at the marinas found along the lake's shores. Nearby, the quaint town of Kernville offers plenty to do if you get tired of roughing it outdoors.

The upper **Mojave Desert** is a land of dramatic contrasts. A few hours' journey can lead to hot springs, lakes, streams, mountains, towering forests, meadows, sand dunes and waterfalls. The area offers hiking, mountain climbing, snow and water skiing, swimming, boating and hunting.

The desert also is home to a phenomenon well known to camera buffs and naturalists: desert wildflowers in bloom. Around the end of March to the beginning of April, the usually brown and barren desert hills undergo a dazzling change, becoming purple, red and yellow.

Another site for your camera is the brilliantly colored **Red Rock Canyon**, site of many western movies. Located on SR 14, about 25 miles south of Ridgecrest, this 4,000-acre state and recreation area consists of a huge uplifted lake bed, shady hills and clay cliffs eroded into fantastic shapes by hundreds of years of wind and sand.

While touring the high desert, visit the historic **Rand Mining District**, located 20 miles southeast of Ridgecrest on Highway 395. Dotted with abandoned mines and equipment, visitors can tour some of the old mines where gold, silver and tungsten were discovered. The most famous of these is the Yellow Aster Mine, which has miles of tunnels and produced \$16 million worth of gold in its heyday.

Within four hours of China Lake, in the **Eastern Sierra Region** are the popular ski areas of Mammoth Mountain and June Mountain, where a variety of skiing is offered for all skill levels, set against a backdrop of spectacular terrain. Another popular ski center is found at nearby Shirley Meadows in the Greenhorn Mountains. The region also boasts the trailhead for Mt. Whitney, the Sierra gateway city of Bishop and dozens of high-country lakes and streams, where a variety of trout, some trophy-sized, are stocked regularly during the fishing season by state and private hatcheries.

About three hours drive south of the station lies the **City of Los Ange***les.* This city, second largest in the U.S. and largest in California, is world-renowned for its recreational, cultural and sporting events. A hundred miles further south is **San Diego**, home of Sea World and the worldfamous San Diego Zoo. In addition, Southern California beaches make an excellent weekend retreat for many desert dwellers.



# Frequently Called Phone Numbers

#### Notes:

- 1. Unless otherwise noted the commercial area code is 760.
- 2. The DSN prefix for China Lake is 437 for commercial prefix 939.
- 3.For Point Mugu (Area Code 805) use DSN prefix 351 for commercial prefix 989 and DSN prefix 893 for commercial prefix 484.

POLICE/FIRE EMERGENCY ......911 or 939-3323 OPERATOR/DIRECTORY ASSIST. ......939-9011

#### NAWCWD

COMMANDER	939-2201
VICE COMMANDER	805-989-7113
HUMAN RESOURCES OFFICE	939-8123
OFFICE OF COUNSEL	939-3481
PROTOCOL OFFICE	939-1365
PUBLIC AFFAIRS OFFICE	939-3511
RETIRED AFFAIRS OFFICE	939-0978
THE WEAPONEER	939-3354
TELMART	939-2241
WEAPONS TEST SQD CHINA LAKE	939-5405

#### COMPETENCIES

2.0 CONTRACTS	
3.0 LOGISTICS	
4.0 RESEARCH & ENGINEERING	939-3409
5.0 TEST & EVALUATION	
7.0 CORPORATE OPERATIONS	
8.0 SHORE STATION MGT	939-2211

#### NAWS

COMMANDING OFFICER	939-2211
EXECUTIVE OFFICER	
COMMAND MASTER CHIEF	939-6501
FAMILY SERVICE CENTER	939-4545
QUARTER DECK	
AIR OPERATIONS DEPARTMENT	
ALL FAITH CHAPEL	
CHILD DEVELOPMENT CENTER	939-6681
COMMAND CAREER COUNSELOR	
ENVIRONMENTAL PROJECT OFFICE	
POLICE DIVISION BUSINESS	
FIRE DIVISION BUSINESS	
HOUSING OFFICE	
JUDGE ADVOCATE GENERAL	
MAIN GATE VISITOR'S CENTER	
MILITARY ADMIN	

#### **MORALE WELFARE & RECREATION**

MAIN OFFICE	
AUTO HOBBY SHOP	
BOWLING CENTER	
CASTLE X TEEN CENTER	
COMMUNITY LIBRARY	
CRAFTECH	
GOLF COURSE	
GYM	
MOVIN' ON UP	
WRECK CENTER	

#### MISCELLANEOUS ON-STATION NUMBERS

VX-9	939-5045
BRANCH DENTAL CLINIC	939-8040
BRANCH MEDICAL CLINIC	939-8033
TRI-CARE	800-242-6788
COMMISSARY	939-3138
MARINE AVIATION DETACHMENT	939-6603
NAVY EXCHANGE	446-6707
NCIS	939-6646
ALTA ONE FEDERAL CREDIT UNION	
PERSONAL PROPERTY SECTION	939-3875
PERSONNEL SUPPORT DET.	939-3314
WACOM THRIFT SHOP	
WEATHER RECORDING	939-3435

#### **OFF-STATION NUMBERS**

	375 0157
ANIMAL SHELTER	
CERRO COSO COMMUNITY COLLEGE	
DEPARTMENT OF MOTOR VEHICLES	446-2546
DESERT COUNSELING CLINIC	
DRUMMOND MEDICAL GROUP	
EAST KERN MUNICIPAL COURT	375-1396
INYOKERN AIRPORT	377-5844
KERN COUNTY FIRE STATION	
KERN COUNTY HEALTH DEPT	
KERN COUNTY WELFARE OFFICE	499-5200
RIDGECREST AREA TRANSIT SYSTEM	
RIDGECREST CHAMBER OF COMMERCE	375-8331
RIDGECREST CITY HALL	
RIDGECREST REGIONAL HOSPITAL	446-3551
RIDGECREST KERR-MCGEE CENTER	371-3771
SAGE COMMUNITY HEALTH CENTER	446-7978
SENIOR COMMUNITY CENTER	
SIERRA SANDS SCHOOL DISTRICT	
TELEPHONE SERVICE (GTE)	800-483-4000
TIME & TEMPERATURE RECORDING	
U.S. POSTAL SERVICE	800-275-8777
VETERANS INFORMATION	

# When Tough Isn't Enough... EDO/TSO presents our SOOD Series DODUCTOR DECOMPTON Output Output

For more information, or for a product demonstration, please call us at (661) 945-7226, or email us at shock@edotso.com



254 East Avenue K-4, Lancaster, CA 93535 Main: (661) 723-3886 • Fax: (661) 726-4077 www.edotso.com








©2002 MARCOA Publishing, Inc.

# Military Buyer's Guide

The appearance of advertising in this publication does not constitute endorsement by the Department of Defense, the Department of the Army, the Department of the Navy, the Department of the Air Force, the U.S. Marine Corps or MARCOA Publishing, Inc. of the products or services advertised.

Everything advertised in this publication will be made available for purchase, use or patronage without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation or any other nonmerit factor of the purchaser, user or patron. If a violation or rejection of this equal opportunity policy by an advertiser is confirmed, the publisher shall refuse to print advertising from that source until the violation is corrected.







(760) 375-3111

TOLL FREE (888) 321-6250

130 South China Lake Blvd. • Ridgecrest, CA 93555 http://www.ridgenet.net/~gthlaw/law.html

# **KENNETH G. PRITCHARD**

### ATTORNEY AT LAW

FAMILY LAW PERSONAL INJURY CONTRACTS

BUSINESS WILLS DUI PATENTS

REAL ESTATE **CORPORATIONS** PROBATE BANKRUPTCY



#### APARTMENTS (CONT'D)

VIP HOUSING	
225 E Ridgecrest Blvd RIDGECREST	
See our Ad - this classification	

HUNTLEY, GERALD T ATTORNEY AT LAW 130 S China Lake Blvd RIDGECREST......760-375-3111 See our Ad - this classification PRITCHARD, KENNETH G ATTORNEY AT LAW 1240 S China Lake Blvd Ste B RIDGECREST ....... 760-375-4020 See our Ad - this classification

**AUTOMOBILE BODY REPAIRING & PAINTING** 

**KLASSEN'S GLASS & BODYSHOP** 



& Antifreeze coolant







Please help support the businesses participating in this publication. It is their sponsorship that provides this valuable service for your Installation!

See our Ad - this classification

PEARSON'S AUTO WRECKING & TOWING

**AUTOMOBILE WRECKING** 



TJ FRISBEE BICYCLES	
217 N Balsam St RIDGECREST	
See our Ad - this classification	

#### **BUILDING MATERIALS**

HOCKETT'S BUILDERS SUPPLY	
907 S Richmond Rd RIDGECREST	760-375-5991
See our Ad - this classification	



Technology that works for life.









A legacy of stewardship for Searles Valley: It may be the importance of our products... Our role as a major taxpayer... managing our resources to assure continued production... under-writing of community events... the importance of our payroll and purchasing to local economics... or the measures we take to protect the natural environment -- we have the greatest respect for the natural, social and economic environments of our special area.

IMC Chemicals Inc. • 13200 Main Street • Trona, CA 93562 760 372-4311



#### FOWLER FAMILY CHIROPRACTIC

**Dr. David A. Fowler, D.C.** 825 N. Downs, Suite B, Ridgecrest, CA (760) 375-2426

Trained in the Gonstead Technique Fellow of the International Chiropractic Pediatric Association







REACH FOR

For over half a century neighbors such as you have enjoyed the benefits of AltaOne Federal Credit Union. And because our members own the credit union, we turn any profits we make into better products and services for them. Like better interest rates on deposits and loans, as well as reduced service charges on transactions. Opening your savings account is just the beginning to the benefits you will receive by becoming an AltaOne member.



THE FREEDOM TO GO

HIGHER

## www.AltaOne.org

Ð

### CORPORATE OFFICE (760) 371-7000 • (800) 433-9727

 RIDGECREST
 (760) 371-7000
 1-800-433-9727

 Corporate
 701 S. China Lake Blvd.

 Albertsons (Mini-branch)
 1301 N. Norma St.

 Stater Bros. (Mini-branch)
 800 N. China Lake Blvd.

 CHINA LAKE
 1115 King Ave
 (760) 371-7000

 BISHOP
 136 W. Line St.
 (760) 873-5626

 BORON
 27055 Twenty Mule Team Rd.
 (760) 762-5650

 CALIFORNIA CITY
 7107-C California City Blvd.
 (760) 373-8472

 KERNVILLE
 44 Big Blue Rd.
 (760) 376-2251

 LAKE ISABELLA
 5946 Lake Isabella Blvd.
 (760) 379-4671

E.A.R.S. (Electronic Audio Response System)......(760) 371-7070 1-800-232-9980



Dr. Anne L. Bohman DDS



# RIDGECREST FAMILY DENTISTRY & ORTHODONTIC CENTER

815 N. Downs St., Ste. B Ridgecrest, CA 93555 829 N. Downs St., Ste. A Ridgecrest, CA 93555

Telephone: (760) 371-7701

Telephone: (760) 375-9011



911 West Perdew Avenue Ridgecrest, California 93555 Tel: (760) 446-6441

www.perio.org







#### FURNITURE-RETAIL

MARTIN'S FURNITURE COMPANY 209 W Ridgecrest Blvd RIDGECREST......760-384-1536 See our Ad - this classification

#### **GIFT SHOPS**

LOU'S HALLMARK SHOP 740 N China Lake Blvd Ste C RI	DGECREST760-375-5577
See our Ad - this classification	
135 N Balsam St RIDGECREST See our Ad - this classification	760-375-4311

#### GOLF COURSES-PUBLIC

TIERRA DEL SOL PUBLIC GOLF COURSE 10300 N Loop Blvd CALIFORNIA CITY ......760-373-2384 See our Ad - this classification

#### **HEARING AIDS**

BELTONE HEARING CENTER 801 N Downs Ste H RIDGECREST ......760-375-4327







740 N. CHINA LAKE BLVD., STE. C • RIDGECREST





#### All Rooms Come With:

- Refrigerator
- Microwave
- Free Local & 800 Calls (up to 15 minutes)
- Irons & Ironing Board
- Pay-per-view and Hi Speed Internet Access
- Executive Meeting Rooms
- Conference & Catering Services
- Room Service

#### Meets Federal Per Diem Requirements Ask About Our Crown Club Program

★ Free Admission to Maturango Museum (760) 446-7910 • Fax (760) 446-6408 (800) 77-ATLAS (28527) www.carriageinn.net 901 N. China Lake Blvd, Ridgecrest



# HERITAGE INN & SUITES



One Mile from Main Gate Naval Weapons Center, China Lake

Commercial, Government and Group Rates Available

### HERITAGE INN

125 Spacious Guest Rooms • Kitchenettes Available

• All King or Queen Beds • Cable T.V. 63 Channel

Conference Facilities •

### HERITAGE SUITES

44 One Bedroom Apartments with Full Kitchens and Two T.V.s Both Offer Cable T.V. 63 Channel

Coin Laundries • Pool, Spas • Fitness Center •

• In-Room Drip Coffee Makers •

## ALL MAJOR CREDIT CARDS ACCEPTED (760) 446-6543

### RESERVATIONS - DIRECT TO HOTEL 800-843-0693

or hiands@ridgenet.net



## FAX (760) 446-2884 1050 N. Norma, Ridgecrest



# SUPER 8 MOTEL

131 UPJOHN AVE. RIDGECREST, CA 93555 760- 384- 3575 FAX 760- 384- 3585





#### HOTELS (CONT'D)

HERITAGE INN & SUITES 1050 N Norma RIDGECREST
INSURANCE
FARMERS INSURANCE GROUP-DAVID HAUGEN 1281 N Norma St Ste A RIDGECREST
INTERNET SERVICE PROVIDERS
INDIAN WELLS VALLEY INTERNET SERVICE PROVIDER 417 Inyokern Rd RIDGECREST

Scientists, Engineers, Educators (-7.5% discounts) Monthly payments - Military welcome IWV Insurance Agency Generations of local service from our family to yours!

Online quote at: IWV insurance.com 1310 N Norma St. (across from old Albertsons)

760-446-3544 800-736-0065 FAX 760-446-6999 email: ds@IWVinsurance.com







### **Raintree Nursery**

Growers of High Desert Trees & Shrubs Raintree Nursery Landsculptors Landscape Design and Construction

• Ponds • Waterfalls • Fountains

Slash Your Water Bill In Half, Convert To Xeriscape

 (760) 384-1945

 134 S. Sierra View
 Luis Miro de Acevedo

 Ridgecrest, CA 93555
 State Lic. C27 + HIC #783361

#### INVESTMENT SECURITIES

EDWARD JONES-GAIL MARIE PETTY 350 E Ridgecrest Blvd Ste 109 RIDGECREST ......760-371-7810 See our Ad - this classification

#### KENNELS

#### LANDSCAPE CONTRACTORS

RAINTREE NURSERY	
134 S Sierra Vw RIDGECREST	
See our Ad - this classification	

#### MAIL BOX RENTAL & RECEIVING

POSTAL SERVICES PLUS INC 1539 N China Lake Blvd RIDGECREST......760-446-6646 See our Ad - this classification

#### MARRIAGE, FAMILY, CHILD & INDIVIDUAL COUNSELORS

SIERRA VIEW COUNSELING & PSYCHOTHERAPY 350 E Ridgecrest Blvd Ste 101 RIDGECREST ......760-375-0348

#### MASSAGE THERAPEUTIC

BELTER, RITA CMT & RIVEST, KATHY CMT 1111 Inyokern Rd Ste C RIDGECREST ......760-446-2200 See our Ad - this classification

#### **MEDICAL EQUIPMENT & SUPPLIES**

### RIDGECREST MEDICAL SUPPLY KERN VALLEY MEDICAL SUPPLY

Oxygen Therapy • Home Medical Equipment Bath Safety Items • Sports Medicine Supports Donut Cushions • Cervical Pillows• Foot Care Products Power Wheelchairs & Scooters – Sales & Service

(760) 375-6200 (760) 375-3006 Fax 137 W. Panamint Ave. Ridgecrest, CA 93555 (760) 379-8111 Fax (760) 379-1411 5213 Lake Isabella Blvd. Lake Isabella, CA 93240 

 Serving

 Individual Investors Since 1871

 Stocks
 Tax-free bonds

 Mutual funds
 CDs

 Bonds
 Money market funds

 Government securities
 IRAs

... and much more. Call or stop by today!



# Serving individual investors from more than 7,300 offices nationwide.

Gail Marie Petty 350 E. Ridgecrest Blvd., Ste. 109 Ridgecrest, CA 93555 Bus. (760) 371-7810 Toll Free (888) 371-8001 California Insurance License OC24309 www.edwardjones.com





MAILBOX RENTALS • COMPLETE MAIL SERVICES • UPS PARCEL POST • MONEY ORDERS • COPIES FAX • LAMINATING • SHIPPING SUPPLIES

VESTERNI MONEY Union Transfer



760-**446-6646 •** FAX 760-446-3270

1539 NORTH CHINA LAKE BOULEVARD • RIDGECREST, CALIFORNIA 93555

THERAPEUTIC MASSAGE Rita Belter, CMT & Kathy Rivest, CMT (760) 446-2200

> 1111 INYOKERN RD. SUITE C, RIDGECREST CHIROPRACTIC OFFICE OF MARY M. VEGHER, DC.

Please help support the businesses participating in this publication. It is their sponsorship that provides this valuable service for your Installation!





#### **PHYSICIANS & SURGEONS-MD**

CARDIOLOGY & INTERNAL MEDICINE 900 N Heritage Dr Bldg E RIDGECREST760-4 See our Ad - this classification	46-3355
PERDIKIS, GEORGE C MD 1111 Invokern Rd RIDGECREST760-4	00 7444
See our Ad - this classification	99-7444
RIDGECREST WOMEN'S CARE 544 Drummond Av Ste B RIDGECREST	46-1114
See our Ad - this classification	

#### PLUMBING CONTRACTORS

CARDINAL PLUMBING CO & PVC PLUMBING & MECHANICAL See our Ad - this classification



Insist on KOHLER-Your mark of value

RANDY JOHNSON CHRIS LILLY CHARLES CORDELL

24-HOUR EMERGENCY SERVICE

**CARDINAL PLUMBING CO.** 

Quality Service With A Personal Touch

(760) 446-4004

License # 496447 & Insured 1501<sup>1/2</sup>N. China Lake Blvd • Ridgecrest, CA 93555



#### **GEORGE C. PERDIKIS, M.D.** SPECIALIZING IN THE MANAGEMENT OF ACUTE & CHRONIC PAIN · Failed Spinal Surgery • Medical Acupuncture · Headaches • Morphine Pumps • Fibromyalgia • Anti-Aging Medicine · Carpal Tunnel Syndrome Osteoporosis

- - Nutritional Medicine

1111 Inyokern Road • Ridgecrest, CA 93555 (760) 499-7444 • Fax: (760) 499-1096 Toll Free: (877) 940-5155



Fatigue

New Construction • Commercial Remodeling • Government Contracts

> Licensed & Insured 657962

LICENSED & INSURED FOR: A-GENERAL ENGINEERING **B-GENERAL CONTRACTING** C-10 ELECTRICAL C-36 PLUMBING

760-**446-3117** FAX 446-7819

1501<sup>1/2</sup> N. China Lake Blvd • Ridgecrest, CA 93555





Please visit us for a tour or call for more information 124 E. Dolphin Avenue License # 157200576

#### QUILTING

760)371-1989

QUILTED HEART & HOME 425 E Ridgecrest Blvd RIDGECREST760-371-1116 See our Ad - this classification
REAL ESTATE
VAUGHN REALTY 509 W Ward Av RIDGECREST760-446-6561
REAL ESTATE LOANS
NORTH AMERICAN MORTGAGE COMPANY-BRUCE BERNHARDI 1281 N Norma St RIDGECREST

#### RESTAURANTS

R

RETIREMENT & LIFE CARE COMMUNITIES & HOMES		
1501 N Norma St RIDGECREST	760-446-0114	
SIZZLER RESTAURANT		
430 S China Lake Blvd RIDGECREST		
KRISTY'S FAMILY RESTAURANT		

#### HIGH DESERT HAVEN 124 E Dolphin Av RIDGECREST ......760-371-1989 See our Ad - this classification

#### SCHOOLS-ACADEMIC

#### SCHOOLS-ACADEMIC-COLLEGES & UNIVERSITIES

CERRO COSO COMMUNITY COLLEGE	
3000 College Heights Blvd RIDGECREST	760-384-6100

#### SCREEN PRINTING

OUTRAGE'N SCREENPRINTING	
1025 R Cir RIDGECREST760-499-1985	ō
PURE IMPRINTS	
875 S Richmond Rd RIDGECREST760-371-1784	1

#### SHOES-RETAIL

CORNY'S SHOES

801 N China Lake Blvd RIDGECREST	760-375-4544
See our Ad - this classification	

Please help support the businesses participating in this publication. It is their sponsorship that provides this valuable service for your Installation!



Saving the world's water one tap at a time



#### <u>Thank You</u> for Partnering with Us In Conservation!

#### The Indian Wells Valley Water District

Bringing YOU Great Water Today and Tomorrow!

500 W. Ridgecrest Blvd. Ridgecrest, CA 93555

(760) 375-5086 www.iwvwd.com







Power Systems



#### VETERINARIANS

VETENINANIANS
CRESTWOOD ANIMAL HOSPITAL Emergency Service - Exotics - Boarding - Premium Diets 1131 Inyokern Rd RIDGECREST
WATER COMPANIES-BOTTLED, BULK, ETC
SPARKLETTS WATER 42749 7th St E LANCASTER661-948-8113 See our Ad - this classification
WATER COMPANIES-UTILITY
INDIAN WELLS VALLEY WATER DISTRICT, THE 500 W Ridgecrest Blvd RIDGECREST
WEDDING CONSULTANTS
CARRIAGE INN 901 N China Lake Blvd RIDGECREST760-446-7910 See our Ad - this classification
WELDING EQUIPMENT & SUPPLIES
PRAXAIR 1405 N China Lake Blvd RIDGECREST760-446-4420 See our Ad - this classification
Dera Wang
© Unique Bridal Gowns & Accessories

### PROFESSIONALS WORKING FOR THE FUTURE OF NAWS-CHINA LAKE



TSO is a leading commercial and military provider of engineering and technical services.





#### ARCHITECTS, ENGINEERS & BUSINESS FRIENDS WORKING FOR THE FUTURE OF NAWS-CHINA LAKE



- Range Control Center Engineering Support
  - Combat Environment Simulator Development
  - AN/GPQ-11(V) Development, Manufacturing & Support
  - RCCS II Development, Integration, Real-Time Range Systems
  - Bombing and Gunnery Scoring Systems Integration
  - Air Combat Training
  - Aerial Target and Drone Launch, Control and Recover
  - Worldwide Technology Services Support to U.S. and Foreign Governments

Lockheed Martin continues to provide bold and innovative solutions for partnering with NAWC-WD China Lake.

Technology Services Group

THE RIGHT TEAM FOR MISSION SUCCESS

LOCKHEED MARTIN

Over 20 years of continuous engineering, operation, and maintenance support to NAWC-WD China Lake, CA.

> Lockheed Martin 1121 W. Reeves Avenue Ridgecrest, CA 93555 Fax (760) 446-7348 Voice (760) 446-1700 www.lmsg.external.lmco.com

### GOOD LUCK NAWS-CHINA LAKE FROM YOUR FRIENDS IN BUSINESS





### When Tough Isn't Enough... EDO/TSO presents our

Our Rugged Mobile Workstations are the number one choice for tough field applications, and they are supported by industry leading customer support.

Our computers are designed to withstand the extreme weather conditions of MIL-STD-810, along with being vibration and shock proof. They can be equipped with advanced communications options, along with vehicle docking options. When you arm your staff with this workstation, you'll increase their productivity and give them the confidence that their data will be secure in the field.

For more information, or for a product demonstration, please call us at (661) 945-7226, or email us at shock@edotso.com



254 East Avenue K-4, Lancaster, CA 93535 Main: (661) 723-3886 • Fax: (661) 726-4077 www.edotso.com





REACH FOR

### For over half a century neighbors such as you have enjoyed the benefits of AltaOne Federal Credit Union. And because our members own the credit union, we turn any profits we make into better products and services for them. Like better interest rates on deposits and loans, as well as reduced service charges on transactions. Opening your savings account is just the beginning to the benefits you will receive by becoming an RIDGECREST AltaOne member.

NCU/

THE FREEDOM TO GO

HIGHER

eedom

### w.AltaOne.org

# **CORPORATE OFFICE** (760) 371-7000 • (800) 433-9727

Albertsons (Mini-bra	701 S. China Lake anch)1301 N. Norma St. ranch)800 N. China Lake	A STALL
CHINA LAKE1115 King Ave		(760) 371-7000
BISHOP 136 W. Line St		(760) <b>873-5626</b>
BORON	e Team Rd	(760) <b>762-5650</b>
CALIFORNIA CITY7107-C California Ci	ity Blvd	(760) 373-8472
KERNVILLE44 Big Blue Rd		(760) 376-2251
LAKE ISABELLA5946 Lake Isabella	Blvd.	(760) 379-4671
E.A.R.S. (Electronic Audio Response Syst	tem)(760) <b>371-7070</b>	1-800-232-9980
P.A.L. (Phone-A-Loan)	(760) 371-7257	1-800-650-9852
P.A.L. (Phone-A-Loan)	(760) 371-7257	1-800-650-9852