

**Retirement**

Hugh G. Chase, formerly of Code 6443, retired from the Naval Weapons Center on July 3. Chase began his career at NWC on June 27, 1952.



	Max	Min	Peak Gusts
Thurs.	94	57	20 knots
Fri.	97	55	18 knots
Sat.	100	58	19 knots
Sun.	103	60	19 knots
Mon.	103	69	19 knots
Tues.	102	68	21 knots
Wed.	99	62	26 knots

All measurements are made at Armitage Airfield.

**Summer festival on**

A good way to get out of the heat and enjoy the arts is to attend events of the Sierra Summer Festival, now underway at Mammoth Lakes. Music at the festival ranges from classical to pop and bluegrass.

Tickets for this weekend's performances of "South Pacific" at Mammoth High School (curtain time is 7:30 p.m.) are just about sold out, but tickets for the other events should be available. Tickets are available at the Booky Joint in Mammoth and at Record Town, U.S.A. in Bishop, as well as from the Sierra Summer Festival, P. O. Box 7710, Mammoth. Further information can be obtained by telephoning (619) 934-2712 or 934-6930.

Unless otherwise noted, the events take place at 7:30 p.m. at the Festival Stage, located at Warming Hut II. Sand chairs or blankets should be brought for seating; only handicapped persons are permitted standard-sized chairs without special permission. (Handicapped persons should telephone (619) 934-2712 for special arrangements.)

Upcoming events include on Aug. 7, Joe Sample & Friends (jazz); Aug. 8, Sierra Symphony Orchestra, conducted by Bogidar Avramov, with a starting time of 6:30 p.m. (classical); Aug. 15, Jesse Colin Young/Todd, Beck & Carpenter trio (folk/pops); Aug. 21, Byron Berline & L. A. Fiddle Band/High Country (Bluegrass); Aug. 22, The Association/Wally Guse (60s pop); and on Aug. 28 and 29, Donnie Brooks in a '50s-'60s celebration, Dodie Stevens, the Rivingtons & Al Wilson the first night and Cordettes, Jerry Wallace & Bobby Day on the second.

**Astronomers plan events**

Anyone who would like to hear and see Clyde Tombaugh, who discovered the planet Pluto when he was 24, discuss his discovery is welcome to attend a meeting of the China Lake Astronomical Society on Monday at 7:30 p.m. in the Kern County Library, 131 E. Las Flores, Ridgecrest.

Program for the meeting consists of a showing of a videotape released by New Mexico State University in which Tombaugh revisits the Lowell Observatory and other sites appropriate to his discovery on the afternoon of Feb. 18, 1930.

A variety of other events have been planned for the month of August for members and their guests.

**Movies**

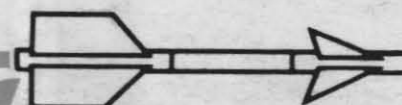
FRI.-SUN.	JULY 31-AUG. 2
"BURGLAR"	
Starring	
Whoopi Goldberg and Bob Goldthwait	
(Comedy, rated R, 102 min.)	
TUES.	AUG. 4
MATINEE	
"THE GREAT MOUSE DETECTIVE"	
Voices by	
Vincent Price and Barry Ingham	
(Animated, rated G, 74 min.)	
WED.	AUG. 5
"NO MERCY"	
Starring	
Richard Gere and Kim Basinger	
(Action, rated R, 109 min.)	
THURS.	AUG. 6
MATINEE	
"MY LITTLE PONY"	
Voices by	
Danny DeVito and Madeline Kahn	
(Animated, rated G, 87 min.)	
Starting Times: Matinee / 2 pm Evening / 7 pm	
(G) ALL AGES ADMITTED	
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Navy selection boards  
seek top skills—**P-5**

Fun family evening  
at the Chapel—**P-12**

**NWC Rocketeer**

Naval Weapons Center, China Lake, California 93555-6001



Vol. XLII, No. 30/July 31, 1987

**Superconductivity discoveries said exciting**

Recent exciting discoveries in the field of superconductivity are different in character than the invention of the laser, says Dr. Vic Rehn, head of the Semiconductor and Surface Sciences Branch of the Research Department. There had really been no time to anticipate the unique properties of the laser, or the multitude of uses that have since been developed.

In contrast, he notes, the phenomenon of superconductivity was discovered 76 years ago, and scientists have had many intervening years to work with the unique properties and fascinating phenomena related to superconductivity.

The recent breakthrough was the discovery of a class of materials like yttrium barium copper oxide that retain superconducting properties at temperatures as high as 95 degrees Kelvin, compared with 23 degrees Kelvin that had been the high formerly. This breakthrough makes many previously developed applications practical.

Superconductivity is one of several unique properties that characterize an unusual state of matter called the superconducting state. Twenty-eight of the chemical elements and hundreds of compounds have been shown to transform into the superconducting

state when they are cooled to temperatures below a characteristic "critical temperature." In a normal metal such as a copper wire, the flow of electricity is opposed by resistance. A voltage is required to maintain the flow of current, and electrical energy is dissipated, creating heat in the wire. In a superconducting wire, there is no resistance to current flow, and a voltage is required only temporarily to establish the current flow. Once established, the current in a superconducting wire loop will flow undiminished for thousands of years unless the loop is broken, or the current is otherwise stopped, such as by allowing the loop

to warm above the critical temperature.

While scientists and engineers have studied many possible uses of superconductivity since 1911, these applications had mainly not been feasible because of the extremely low temperature required to make known materials superconductive — temperatures such as the boiling point of liquid helium, a mere 4.2 degrees Kelvin, or minus 452.2 degrees Fahrenheit.

The breakthrough announced in January 1987 makes it possible to develop devices and systems based on superconductivity that operate at the temperature of boiling nitrogen (77

Kelvin or minus 320.8 degrees Fahrenheit). Liquid nitrogen costs only 23 cents per quart, compared with \$12 per quart for liquid helium, and each quart of liquid nitrogen has about 61 times as much cooling capacity.

Dr. Rehn and collaborators have conducted two workshops at China Lake concerned with possible applications of superconductivity for Navy systems.

On June 1, the first workshop was organized in collaboration with Drs. Bob Dinger, Dan Harris, Terrell Hewston and Dave Burdick. It was attended only by NWC technical per-

(Continued on Page 2)

**New Skipper reports for VX-5 Vampires**

Capt. Eric Vanderpool II will succeed Capt. A. Martin Phillips as Air Test and Evaluation Squadron Five (VX-5) Commanding Officer in a formal change of command ceremony Wednesday (Aug. 5) at 9 a.m. The ceremony will take place in front of the Naval Weapons Center Headquarters Building.

Radm. Jeremy D. Taylor, Commander, Light Attack Wing, U.S. Pacific Fleet, will be guest speaker for the occasion. Radm. Taylor has commanded the Light Attack Wing since March of this year.

Capt. Vanderpool comes to VX-5 from Subic Bay, Republic of the Philippines, where he served on the staff of the Commander, Task Force 70, Carrier Group Five, as assistant plans and operation officer.

A native of Albany, Georgia, Capt. Vanderpool received his bachelor's degree from Clarkson College of Technology and a master's degree of Salve Regina College. He is also a graduate of the U.S. Air Force Test Pilot School at Edwards AFB and the Senior Officers Course of the Naval War College.

The new Vampire skipper was commissioned an ensign and received his wings as a Distinguished Naval Graduate in May, 1969. His first tour of duty was with VA-122 and VA-125 at Naval Air Station Lemoore, for training in the A-7B Corsair II. He then joined the Silver Foxes of VA-155 and was subsequently assigned to Edwards AFB.

Capt. Vanderpool is no stranger to

China Lake; following his tour at Edwards AFB, he came to the Naval Weapons Center as a project test pilot for programs including HARM, angular rate bombing system and the A-7 weapons system performance validation.

Following his tour at NWC he was assigned as assistant strike operations officer on board the USS Independence. He later served in various department head positions in VA-25 aboard the USS Ranger and was safety officers at NAS Lemoore.

VX-5's Commanding Officer became executive officer and then commanding officer of the VA-127 Argonauts operating from the USS Constellation and USS Kitty Hawk. This was followed by the Senior Officers Course at the Naval War College.

In June, 1985 Capt. Vanderpool went to Subic Bay. As assistant operations and plans officer he deployed on the USS Midway, New Jersey, Sterett, Vincennes and Ranger prior to being selected for promotion to Captain and command of VX-5.

He holds 12 strike/flight Air Medals, two Navy Commendation Medals with Combat "V" and the Vietnamese Air Gallantry Cross.

Capt. Vanderpool is married to the former Marian Livingston of Concord, Mass. They have two sons, Eric II and Bayley Watkins and will reside onboard the Center.

Capt. Phillips departs China Lake for duty with NASC in Washington, D.C.

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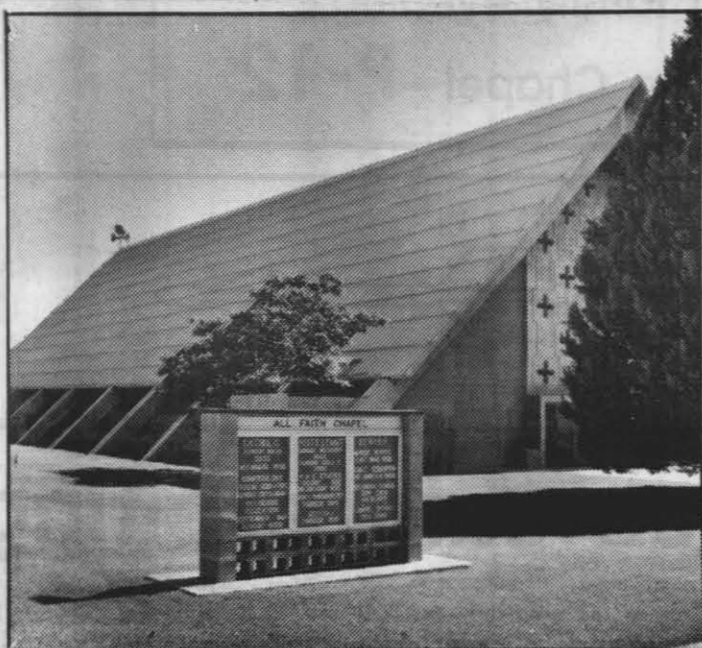
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## Divine Services

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 Sunday School (September thru June) 9:00 a.m.  
 Bible Study (East Wing)  
 Wednesday 11:30 a.m. (September thru June)  
 Thursday 6:15 a.m. Men's Prayer Breakfast  
 7:00 p.m. Officer's Christian Fellowship  
 Christian Military Fellowship

### Islamic

Jumaa Prayer (Friday in Annex 4) 1:00 p.m.

### Roman Catholic

Sunday Mass 9:00 a.m.  
 Communion Service (Monday) 11:35 a.m.  
 Daily Mass (Tuesday thru Friday) 11:35 a.m.  
 Confession (Friday) 4:30-5:00 p.m.  
 Religious Education Classes (Sunday) 10:30 a.m.  
 (September thru May)

### Jewish

Weekly Services (Friday - East Wing) 7:30 p.m.  
 New classes will begin in September

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## NWC Rocketeer

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**RIBBON CUTTING--China Lake Fire Division officers recently moved into their new headquarters building adjacent to Fire Station One at the Naval Weapons Center. Roy Parris (left) head, Safety and Security Department and Jim Bowen (right) Deputy Support Director, joined Capt. Paul Valovich, NWC Chief Staff Officer and Lee O'Laughlin, Fire Chief (second from right) in cutting the ribbon to open the new facility. Capt. Valovich and Chief O'Laughlin used the "jaws of life" rescue tool for the symbolic ribbon cutting on Tuesday.**

## Superconductivity. . .

(Continued from Page 1)

sonnel, who have formed the nucleus of an NWC superconductivity interest group.

The second workshop, July 15 and 16, was organized in collaboration with Drs. Bob Dinger, Dave Kyser and Dave Burdick, and John Bratcher. It was attended by about 50 people representing six aerospace companies, three universities, two national laboratories of the Department of Energy, the Naval Research Laboratory and 31 Center scientists and engineers.

The goals set for the second workshop were to identify opportunities for naval applications; to identify unknowns, questions, concerns and problems related to applications; and to establish cooperation and collaboration.

The leadoff speaker, Dr. Ivan Schuller of Argonne National Laboratory, helped the audience to sort out proven scientific facts about new superconducting materials as distinct from unverified, preliminary or speculative reports. This is not easy in a field that has seen several hundred scientific papers published and numerous press releases in the last four months.

Cooperation and collaboration in an area of knowledge that is growing as rapidly as this one is essential, Dr. Rehn believes, to maintain United

States Technological superiority.

Strong efforts are underway in several European countries, including the USSR, and in China, Japan and elsewhere. For instance, Japan, he says, has made superconductivity research and development a national priority. Currently, the United States Congress is considering new legislation to ensure that our nation remains competitive in superconductive technology. Areas identified as potential Navy applications of superconductivity include submarine detection devices; radar and sonar antenna arrays; small, extremely powerful electric motors for ship propulsion; energy storage systems; and a myriad of applications in electronics, especially microelectronic circuitry.

"This is especially exciting for me and people in my branch," says Dr. Rehn, "because superconducting devices will make possible a higher degree of miniaturization, higher speed of operation, lower energy consumption, and lower thermal losses in semiconductor applications."

A common failure mode for microelectronics currently is the printed-circuit wiring because the wires are so thin and small they melt with large current densities. If we can make the electronic interconnects, both on a chip and between chips, out of superconducting materials and keep the circuits chilled to the needed tempera-

ture with liquid nitrogen, the field of semiconductor electronics will be revolutionized," Dr. Rehn enthuses. He cautions that while thinking about superconductivity application is vital, "We can't do this to the exclusion of other ongoing R&D."

The next decade, he believes, will be wonderfully vital and productive in applications of superconductivity because many problems with materials remain to be solved. Prime among these is the ability to make high quality thin films, an area that Center scientists are already studying.

Since collaboration and cooperation are so essential to China Lake's potential applications of superconductivity, NWC is involved with both a Navy consortium (which will hold its first meeting on Aug. 4-5) and a Southern California consortium sponsored by UCLA. This consortium encourages cooperation and exchange of ideas and personnel by industry, universities and government laboratories such as NWC.

"In the applications area, we've already got two Bids and Proposals projects underway this fiscal year, and we have suggested a blanket B & P project with eight principal investigators from five technical departments in fiscal '88," says Dr. Rehn. "That in itself demonstrates the Centerwide interest in this fascinating and fast-moving field."

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## The Skipper Sez...

**QUESTION**

**Civilian employee** — It has come to my attention that there are employees of contractors using the open shop at the end of the machine shop in Michelson Lab. I am wondering, there doesn't seem to be any accountability for wear, tear or breakage and no way to charge the contractors for tools they break or anything like that. Doesn't that come under the category of waste, fraud and abuse? The contractors are given a contract and they are required to perform their specs or perform to the specs of the contract based on their own ability to provide, not using our own equipment. Thank you.

**ANSWER**

Your concern for the proper use of government equipment in the machine shop's open shop is appreciated. The open shop is manned by a machine shop model maker, who is also the machine shop union steward for the Metal Trades Council. His duties in this shop include verifying the validity of the work being done, that proper personnel are performing the work, and that the person is capable of operating the equipment safely. Contractors using this facility from time to time are contracted by the Michelson Laboratory Machine Shop. The machine shop contracts for Centerwide machine tool maintenance. The work is all performed at NWC and the contract allows for the use of space and equipment, when necessary, to complete the repair of NWC equipment. The contractor is required to have hand tools but major tooling is provided by the government.

**QUESTION**

**Civilian employee** — Why is it necessary to get seven signatures before we can get an airplane ticket to travel? This requires extensive labor and time to walk orders through.

**ANSWER**

The JOINT TRAVEL REGULATIONS, Volume II, governing civilian travel, requires that travel orders have the signature of the requesting official, approving official and authenticating official. In addition, the official responsible for the availability of funds must review and initial the orders. Therefore, PSD cannot release a ticket without the completed authenticated travel orders containing the three signatures mentioned above. Any additional requirements for signatures are probably internal controls and should be discussed with your department directorate.

**QUESTION**

Is it normal procedure to have the gymnasium dry out the white towels on the bleachers? I have noticed this on many occasions, the white towels stretched out on the bleachers. I would think this might not be too sanitary as many people step and sit on them. In the past, I have received white towels issued to me with streaks of dirt and/or dust on them. Thank you.

**ANSWER**

Towels are air-dried when the dryer breaks down. Attendants have been instructed to keep a closer eye on the process. I ask gym patrons to exercise more care and avoid stepping on the towels when air drying becomes a necessity.

All China Lakers, including military personnel, civilian employees and their dependents, are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. John Burt. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.



**HAPPY EVENT** — Capt. John Burt, NWC Commander, and Dr. Carl Austin, head of the Geothermal Program Office, join Carolyn Shepherd,

who has just been given the Commander's Award for her work in siting the powerline for that program. — Photo by PH3 Bob Reynolds

## Good work earns award

Initiative and perseverance in bringing to reality the power line portion of the Geothermal Project won a Commander's Award for Carolyn Shepherd.

As Capt. John Burt made the presentation to Mrs. Shepherd Monday morning at the Commander's meeting, he expressed the appreciation of Center command for her "exceptionally conscientious efforts in applying a complex integration of both cultural resource research and salvage, and managing complicated interagency cooperation" that allowed the contractor to build the power line in a

timely fashion.

The letter of nomination for Mrs. Shepherd says that to construct the 28-mile power line meant selecting routes and construction methods that would "thread the archeologic needle" with individual poles and pole-site access routes selected to avoid archeologic sites and to devise such routes and methods to enable cable pulling without undue surface disturbance.

Her broad professional knowledge of cultural resource management principals and procedures enabled her to devise plans and procedures

that permitted adherence to both the spirit and letter of the law while ensuring that the power line could be completed in an economically feasible fashion.

Capt. Burt noted that successful and timely completion of the power line is a critical part of enabling the geothermal power production at Coso to provide an estimated \$47 million in savings to NWC during the first 10 years of operation.

A very surprised Mrs. Shepherd expressed her appreciation — and added that she was speechless.

## Quality of life enhanced through BEAP program

Implementing BEAP — the Base Exterior Architecture Plan — will improve the quality of life at the Center, says Capt. John Burt, NWC Commander. "I'm very excited about it," he adds, "because it will benefit all of us." Painting of some buildings is already underway; along with painting, there'll be new signs made, landscape improvements, and a unified approach to how new construction will fit in with present structures.

Every five years a master plan for each Navy facility is developed under Naval Facilities Engineering Command contract. Innis-Tennebaum Architects, Inc. of San

Diego are gathering information for NWC's new master plan. BEAP is part of that master plan, a part that really uses a people-oriented approach.

The Air Force was the first military service to develop BEAPs; their success as morale boosters as well as enhancing the esthetic values of military establishments led to their becoming part of Navy five-year master plans as well.

The first and most visible implementation of the Center's BEAP is re-painting of facilities in need of this work.

Gail Wong, an architect/color

designer for the Western Division of the Naval Facilities Engineering Command, spent several days on board studying the Center and the environment before selecting the colors used in painting various facilities.

All the colors chosen come from the hues seen in the desert so facilities and buildings will blend with surrounding areas. Each type of building or area of the Center will have its own set of harmonious colors; as well as presenting a unified planned appearance, this will also enable those new to the Center or visitors to find their way around.

A second phase of BEAP

implementation will be of assistance to newcomers and visitors as well as Center personnel: a uniform signage system will be installed.

Standardizing signs will also save money since Public Works Department can purchase standard-size blanks in quantity and many of the signs can be prepared with a new computerized sign-making machine now on order.

Outdoor areas, including the exteriors of buildings (other than paint), are addressed by BEAP.

Building overhangs, shaded and shadowed areas, textures, and the general type of building con-

structed will be considered to make them blend well with existing structures.

Outdoor living areas, very much a quality of life item, will be considered. This includes not only landscaping and use of arid land plantings and "green strips" such as Solar Park, but also possible jogging and bicycle paths. Landscape improvements are already underway near the intersection of Blandy Avenue and Knox Road.

Residents and employees at China Lake can watch the changes and keep track of BEAP's progress in improving the appearance in the months ahead.

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## China Lake Police Reports

Tuesday was a bad day for vehicles on the Center, with three accidents reported. Fortunately, all involved property damage only, with no injuries reported. In two instances, the accidents took place on parking lots (one at Building 20212, the other at the Chief Petty Officer's Mess): a vehicle backing struck another that was parked. In both instances, the backing vehicle received minor damage and the vehicle struck had moderate damage. The third accident occurred at the Sandquist Road gate when a vending truck tried to drive through the gate with its right door open. The right door struck the gate post; the vehicle suffered major damage, but the gate post was unharmed.

Computer equipment was reported stolen from Warehouse 16. Value of the equipment makes this a grand theft.

The owner of a vehicle on Richmond Road reported that both California license plates were stolen from his car.

A government-owned bicycle was removed from the area by civilian disbursing.

An unknown person entered Building 02621 and removed \$20 from an unattended wallet. This is listed as a burglary.

An unknown person cut the ignition wire of a vehicle parked at a residence on Mitscher Road.

China Lake police assisted Ridgecrest police in controlling traffic following an accident that occurred at French Avenue and South Knox Road.

A juvenile who entered the Navy Exchange and took some food items was placed under citizen's arrest by an employee of the NEX. The juvenile was released to his parents by the China Lake police.

Numerous complaints were made by residents regarding loud music

from the Commissioned Officers' Mess late Friday night and early Saturday morning. The COM was contacted and asked to turn the music down.

At 1:52 a.m. Saturday, police made a stop for a traffic violation near the intersection of Richmond Road and Princeton Avenue, and discovered the driver to be under the influence of alcohol. Police arrested the military person, held her for five hours to sober up before citing her into court and releasing her.

Police were alerted that a subject was seen trespassing in the area of Post 6 (the Lauritsen gate). When they arrived and stopped the subject, they discovered that he had two outstanding warrants from Los Angeles County. He was arrested, transported to Ridgecrest, and booked into jail.

A wife filed a report of spousal abuse with the police. They arrested the husband and released him to the custody of the CDO.



## NOTES/NWC Pages from the Past

Dr. Tom Amlie, who served in the Technical Director's slot at NWC from Jan. 16, 1968 to March 4, 1970, was detailed to China Lake as a Navy officer when he was recalled to active duty during the Korean War. He had just completed a doctorate in electrical engineering. Capt. Thomas Moor, then Experimental Officer at China Lake (and later CNO) felt that these skills were of more importance to the RDT&E establishment in the desert than Dr. Amlie's becoming a sonar operator on a minesweeper where his detailer had originally ordered him, so Capt. Moor requested Dr. Amlie's reassignment to China Lake.

Dr. Amlie's arrival was momentous — he arrived during the summer on the night of the earthquake in Tehachapi. Afterwards, he added that had he been a civilian and free to go where he wanted, he'd have left the area the next morning.

He was assigned to the Sidewinder program and shortly thereafter found himself in the air with Lt. Wally Schirra (the future astronaut) as pro-

ject observer in addition to his technical work on the program.

His work with Sidewinder continued when he was released to inactive duty because he immediately signed on as a Civil Service employee.

Dr. Amlie's outstanding technical expertise was credited with getting the radar Sidewinder into the fleet. He was also heavily involved with the development of Walleye and Condor missiles before being selected as Technical Director.

On leaving China Lake, Dr. Amlie moved to Washington, D. C., where he has worked for several different groups.

## Post office at NWC

Anyone who has postal business on Saturdays can handle it at the new China Lake post office, located in the old Station Restaurant at the corner of Lauritsen Road and Blandy Avenue. The new post office is open from 9 a.m. to 1 p.m. Saturdays.

Mondays through Fridays, its hours are 11 a.m. to 5:30 p.m. for all postal business. A full range of postal services is offered.

Post office boxes are also available for rent.

## TV Booster meets

All interested persons are invited to attend the regular monthly meeting of the board of directors of the Indian Wells Valley TV Booster on Monday at 5 p.m. at the Kern County library, 131 E. Las Flores, in Ridgecrest.

The IWV TV Booster, Inc. is a volunteer organization operating television relay stations on Laurel and B Mountains. The agenda for the upcoming meeting includes discussion of current delays in restoring/improving re-transmission of Los Angeles TV channels.

According to Booster President Ed Middlemiss, "The pace of our repair and improvement work is suffering from a shortage of volunteer technicians, engineers and facilities maintenance personnel. We welcome people to come to the meetings and give us direct input on how we might address such problems."

"We depend entirely on volunteers to provide on-site engineering and technician services," Middlemiss explained. "In fact, all our organization labor is volunteered, including administrative, clerical and publicity work. This lets us reserve our money donations for buying equipment and

paying for services that can't be accomplished on-site."

Middlemiss says the Booster eagerly welcomes RF engineers and technicians who want to help keep through-the-air TV reception available in the local area. The organization can also use non-technical people to help with other chores, such as pouring cement, painting, administrative/clerical, and other services.

Interested persons are invited to attend the Aug. 3 meeting or to contact Middlemiss at 377-5192. The Booster's mailing address is P. O. Box 562, Ridgecrest. Donations are tax deductible.

## Telephone

Effective August 8, all personnel with 1XXX, 45XX, 46XX and 47XX numbers within the Michelson Laboratory compound will be able to dial either 99 for commercial calls or 88 for AUTOVON, instead of 9-99 or 8-88.

This change in dialing procedure will enable everyone in the Michelson Laboratory compound to dial only the last four digits of the Center's 939-XXXX numbers.

Questions regarding this change can be answered by telephoning Byron Self, Code 141D, NWC ext. 3451.

## Parking lot

Center personnel who need to get badges or who have other business at the new Visitor Center at the main gate can simplify their parking problems by using the parking lot behind the Visitor Center instead of exiting the main gate and having to make a left turn into the front parking lot. This will also leave the front parking lot for visitors.

Access to the parking area behind the building is at the south end of Bullard Road and West Bowen Avenue.

## New video course offered at Center

The Training Center has a new video course on file at the Learning Center.

"Modern Spectrum Estimation and Array Processing" is a prerequisite to a "Non Gaussian Signal Processing" course to be taught live in FY 88 by Dr. Nikias. This course has a continuous enrollment and can be used by submitting NWC Form 12410/73 to Code 094 via the proper departmental channels.

"Modern Spectrum Estimation and Array Processing" is a unique videotape seminar exploring the rapidly evolving areas of spectrum estimation and array processing. The seminar covers conventional and modern techniques and their applications in communication systems, radar, sonar, speech, biomedicine and geophysics. The instructor is Chrysostomos L. Nikias, Ph.D., director of the Communications and Digital Signal Processing Laboratory, Department of Electrical and Computer Engineering, Northeastern University, Boston, MA.

Overview: Two of the most fundamental and useful areas in digital signal processing have been power spectrum estimation and array processing. In the past 15 years, developments in these areas have been essential to the creation of advanced communication, radar, sonar, speech, biomedical, geophysical and imaging systems. Each one of the techniques available has certain advantages and limitations related to estimation performance, computational complexity and ease of implementation. Therefore, depending on the signal environment, one technique may be more appropriate than another. Participants are introduced to the modern techniques in power spectrum estimation and array processing, and their computational complexity and implementation, as well as advantages, limitations, and how to use these techniques in specific application problems.

Intended Audience: Engineers, Scientists, Programmers, Systems Analysts, Technical Managers, and Systems Managers.

Prerequisites: Introductory knowledge of digital signal processing, and probability and linear system theory is assumed.

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## Advisors scheduled

Various counselors will be on-Center in August and September to advise current and prospective students in the external degree programs offered by their schools.

Dr. Orlando Madrigal, Cal-State University Chico, will be on-Center August 27. CSUC's external degree programs in computer science lead to bachelor's and master's degrees.

Academic counselors of Cal-State Bakersfield will be on-Center September 3. Cal-State Bakersfield's external degree programs include a bachelor's

degree in business administration and a master's degree in administration. The school also provides math courses in other external degree programs at NWC.

Dr. Ray Petit, Cal-State University Northridge, will be on-Center August 21. CSUN's external degree programs in electrical engineering, applied mechanics and mechanical engineering lead to a master's degree. A bachelor's degree can also be earned in electrical engineering.

Those wishing to see any of the counselors should call Cyndi Jones at NWC ext. 2648 for an appointment.

## Self-study secretarial courses offered

The following secretarial courses are available from the Learning Center. To apply for a course, simply submit a NWC Form 12410/73 through proper departmental channels to Code 094.

**ASSERTIVE SECRETARY** (Audio Cassette, 6 hours). This course contributes to every smooth running, harmonious and productive office. Topics covered include: Foundations of Assertiveness, Twenty Things an Assertive Secretary Can Do, Assertive Behavioral Model, Hostile-Aggressives and Hostile-Passives, Making Your Assertive Rights Work for You and Others, Saying No Effectively, Dealing With Manipulation, Hooks, Countermanipulative Techniques, Dealing With Valid and Invalid Criticism and Designing Your Own Assertive Responses.

**EXCEL** (Administrative Training for Secretaries) (CAI/PLATO, 14 hours). For secretarial, senior clerical, technical, or professional people who have administrative support responsibilities. This course shows you how to understand the pressures and problems of the manager and how they affect the learner. How to work effectively with your manager, cope constructively with change on the job, become an effective change-agent, overcome communication barriers, apply effective communication techniques for successful telephone communication, keep your manager informed,

complete staff work, make the most of mistakes, profit from criticism, define key job responsibilities, set professional performance standards, spend time wisely, and set up a self-development program.

**PROFESSIONAL DEVELOPMENT FOR THE SENIOR-LEVEL SECRETARY** (Audiotapes/Workbook, 6 hours). This course includes information on the following: images of the job and yourself; communication skills—the key to successful human relations; the secretary as a manager—your role is critical in helping the manager manage well; and how to build an effective team with the boss.

## Free drafting classes

Any NWC employee interested in the Drafting Technology Program being offered by NWC can receive free tuition for the following classes.

### DRAFTING TECHNOLOGY

30a ENGINEERING DRAWING (3 units).

30b ENGINEERING DRAWING (3 units).

30c ENGINEERING DRAWING (3 units).

51 BLUEPRINT READING (1 unit).

63 ELECTRONIC DRAFTING AND PRINTED CIRCUIT DESIGN (2 units). This course has not yet been scheduled.

53 GEOMETRIC DIMENSIONING AND TOLERANCING (3 units).

### MATHEMATICS

52 TECHNICAL MATH (4 units). This course is scheduled for the fall of 1987.

### COMPUTER SCIENCE

70 COMPUTER LITERACY (or equivalent experience) (1 unit).

45 INTRODUCTION TO COMPUTER AIDED DRAFTING AND DESIGN (3 units).

46 COMPUTER AIDED DRAFTING AND DESIGN (3 units).

### DRAFTING TECHNOLOGY

60 OCC./CAREER WORK EXP. SEMINAR (1 unit).

61 OCC./CAREER WORK EXP. (1-3 units).

Unless otherwise noted, the above classes are scheduled for the fall of 1987 and the spring of 1988. For time and days of classes, as well as the prerequisites for each class, check the Cerro Coso schedule of classes at the Training Center.

Interested parties must take a completed on-Center Training Request (Form 12410/73), to the registration desk when they register. Acceptance in the course is based on first come, first served basis and does not guarantee a seat in the course. Clay Withrow is the contact at the college for questions regarding the free tuition.

After the course is completed, fill out the evaluation form, which is included in the on-Center Training Request, and send it to Cecil Webb in Code 094 to receive credit for the class.

Paid tuition for the Drafting Technology Program is NOT through the Training Center and is for this semester only. People who have questions regarding this program should contact Terri Glover at NWC ext. 1185. All NWC employees are eligible for this program.



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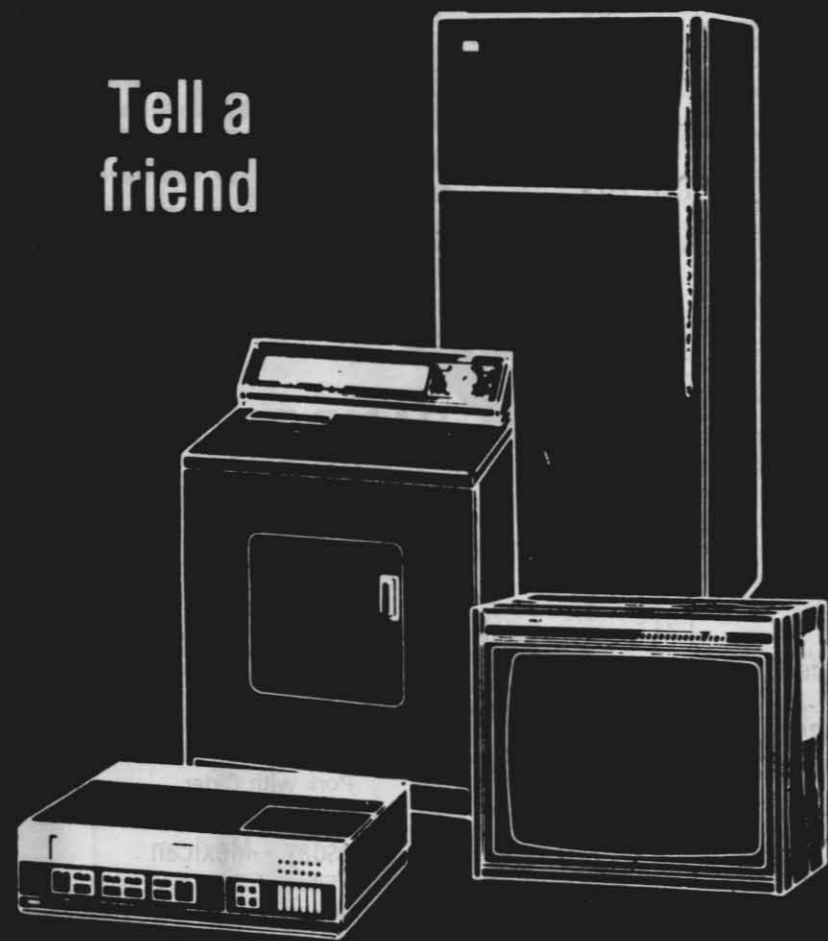
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## How to assist the selection board decision

*This is the fourth in a series on E-7/E-8 selection boards and how to increase individual chances of selection.*

If you find errors/missing documents that qualify for inclusion in your microfiche record, you need to assemble a correction package to send to NMPC. If you are selection board eligible, you also should submit a duplicate package to the board.

**NMPC official microfiche service record package** — Review your record to determine which

documents are missing or are in error. Only include documents from your *previous* enlistments that are missing. Remember, no letters of commendation or appreciation after 1976 and no letters designating collateral duty assignments will appear in the microfiche record. Ensure each document is legible and that your name and Social Security Number appear on each. Outline any other errors found in your record on a letter of transmittal and mail to Commander, Naval Military Personnel



Command, Attn: NMPC-312, Room 3032, Navy Department, Washington, D.C. 20370-5312.

**Selection Board Package** — Correspondence may be submitted by a candidate directly to the president of a selection board. This correspondence is reviewed by the board along with the service jacket. This package should contain the same documents as above, plus anything else you feel is important from your current enlistment.

Note: If you desire confirmation of receipt of your package by the

selection board, ensure you enclose a self-addressed, stamped envelope or postcard. Documents submitted to the board will be reviewed with your record and then discarded upon adjournment of the board. They are not forwarded to micromation for filming in your record. Send this package to President, FY E-7 or E-8/9 (as applicable) Selection Board (active), Naval Military Personnel Command, Attn: NMPC-221, Navy Department, Washington, D.C. 20370-5221.



## Military News

### New dental plan set for Aug. 1 beginning

The Active-Duty Dependents Dental Plan's three-month automatic enrollment period that began in April ended June 30. Now military sponsors will have to take positive action to enroll their eligible family members in the plan.

The monthly premium will be deducted from military pay starting in July. The payroll deduction will pay for diagnostic and preventive dental care benefits during the month following the deduction. Benefits under the dental plan begin Aug. 1, 1987.

The plan's cost to active-duty service members is \$3.93 per month for having one dependent enrolled, and \$7.86 per month for enrolling two or more dependents.

If sponsors enroll any eligible family members in the dental plan, they must enroll all such dependents — except in certain circumstances where one or more dependents are living away from the rest of the family, such as college students, and other dependents aren't enrolled (for exam-

ple, if the other dependents are living overseas).

Active-duty sponsors who want to enroll their dependents in the dental plan should contact one of the following, depending on branch of service:

**Army:** Personnel Administration Center.

**Navy:** Personnel Officer.

**Marines:** Unit Personnel Officer.

**Air Force:** Customer Service Representative, Consolidated Base Personnel Office.

**Coast Guard:** Commanding Officer.

**NOAA:** Commissioned Personnel Office.

According to information provided by the various Uniformed Services, questions about benefits under the dental plan should be directed as follows:

**Army, Navy, Air Force:** Nearest Health Benefits Advisor.

**Marines:** Unit Personnel Officer.

**Coast Guard:** Local Commanding Officer.

**NOAA:** Commissioned Personnel Office.

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(202)433-6743 (commercial)

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## Paydays changed

After the September 15 regular military payday, military personnel will be paid on the first and fifteenth day of the month. This change is mandated by Congress and affects all military personnel. Mid-month paydays are not affected by the change.

The military services will still be authorized to advance paydays up to three days when the first day of the month falls on a weekend or holiday, except for the Oct. 1 payday. All allotment checks will be dated the same date as the end of the month payday check.

September through December 1987 paydays include: 15 Sept., 1 Oct., 15 Oct., 30 Oct., 13 Nov., 1 Dec., 15 Dec., and 31 Dec. 1987.

The actual number of days between paydays varies under the existing 15th/30th payday schedule and will continue to vary.

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## DEERS enrollment a must

Information provided by the Defense Department's DEERS data banks is used heavily by the military services' new Active-Duty Dependents Dental Plan for determining who's eligible for the plan.

What is DEERS? It's the Defense Enrollment Eligibility Reporting System, a computerized listing of active and retired military members and their family members. The DEERS listings are used to determine eligibility for military medical care and CHAMPUS benefits, as well as for the new dental plan.

The contractor for the dental program, Delta Dental Plan of California,

will be using information from the DEERS data base to make sure that the active-duty dependent listed on the claim is enrolled in the plan. If the dependent isn't listed, Delta Dental Plan will hold the claim for up to 60 days, and will notify both DEERS and the active-duty dependent that the claim is being held.

For this reason, it's important for the active-duty military sponsor to make sure that his or her family's information in the DEERS files is accurate and up-to-date.

After Aug. 1, when benefits begin under the dental plan, the enrollment file will be updated each month by

Delta Dental Plan of California, based on information received from DEERS. The contractor is paid by the government only for those family members who are enrolled and whose active-duty sponsors are paying monthly premiums through payroll deductions. So, the contractor can't process claims for dependents who don't appear on the eligibility files.

While enrollment information is being received and processed by each uniformed service's finance center, personnel offices are also updating dependent information on DEERS. Since the dental eligibility files are updated monthly, a dependent who is enrolled during one month will become eligible for the dental plan's benefits on the first day of the following month.

### COM swim night

Members Swim Night will be held each Thursday at the Commissioned Officers' Mess from 7 to 9 p.m., with a buffet dinner served on the pool deck.

Cost of the dinner is only \$3.75 for adult members of the COM and \$3 for their children.



**CAREER ENDS**—After 29 years of service to the U.S. Navy, ETCS Charles F. Ferris renders a final salute as he retires from active duty. Senior Chief Ferris, NWC's ground electronics maintenance officer since arriving at China Lake in 1984, entered the Navy in 1959 after graduating from Woodrow Wilson High, Tacoma, Wash., earlier that year.

## Navy boosts sports

Active duty service personnel are specifically authorized to take part in national and international amateur sports competitions such as the Pan American and Olympic Games, according to DOD Directive 1330.4 of March 1987.

The support of U. S. Olympic efforts pays dividends in community relations and recruiting. The military has historically been an important resource to United States efforts in national and international amateur athletic competition.

Inasmuch as 1988 is an Olympic Games year, it is appropriate that attention be directed toward how the

Navy may best support U. S. amateur athletics.

Every effort should be made, a general message from the Chief of Naval Operations reads, to ensure that all qualified Navy personnel are given the opportunity to train and compete for U. S. Olympic team positions.

Additionally, according to the CNO, the Navy will, where feasible, support United States Olympic Committee (USOC) requests to use Navy athletic facilities for training U. S. Olympic athletes. The USOC will make payment of usage fees when determined appropriate.

STAR desirable. Promotion potential to GS-5.

No. 09-009, Secretary (Typing), GS-318-5/6, Code 093 - Incumbent provides secretarial/technical assistance for the EEO Division. Incumbent is responsible for clerical and administrative support work based on knowledge of rules, regulations and procedures of the EEO process; maintains investigative files, and arranges for hearings; extracts and summarizes statistics for reports input; provides assistance in administering Special Emphasis Programs. Ability to compose, type, and edit correspondence for Command signature desirable. Promotion potential to GS-6. Status eligibles may apply.

No. 33-021, Secretary (Typing), GS-318-4/5, Code 3352 - The incumbent provides secretarial support to the Ignition Safety Devices Branch. Knowledge of the Xerox Memorywriter is desirable. Promotion potential to GS-5. Status eligibles may apply.

No. 62-047, Secretary (Typing), GS-318-4/5, Code 6252 - This position is located in the Data Branch, Data Systems Division, Range Department. Responsibilities include secretarial support to the Data Branch and the Radar Branch. Promotion potential to GS-5.

### Non-Appropriated Funds Opportunities

The following vacancies are not Civil Service positions. These positions are paid for from non-appropriated funds and are administered in accordance with policies established by the Department of Defense. Persons selected for these positions have no Civil Service status and are not eligible for appointment to positions in the Civil Service. Persons interested in applying for these positions should fill out a standard application form (SF-171). Applicants need not be presently employed in a Non-Appropriated Fund Instrumentality (NAFI) position, nor must they be employed at the Naval Weapons Center. The SF-171 should clearly be marked "NAFI" on the top and should have the appropriate announcement number listed in Block 1 on the form. Completed applications can be delivered to Room 100 or to Room 120 in the Personnel Building or can be mailed to: Naval Weapons Center, Personnel Dept. (Code 096), ATTN: NAFI Service Team, China Lake, CA 93555.

No. 22-8733, Package Store Manager, UA-1101-5, \$14,822 per annum, Permanent Full-Time, Code 2214 - The Consolidated Package Store (CPS) is the source for spirited beverages on-center. The CPS provides bottled liquor for the Commissioned Officer's Mess, Chief Petty Officer's Mess, Enlisted Mess, and patrons as authorized in Navy regulations governing CPS operations. The incumbent operates the CPS under the direct supervision of the Director of Clubs and Package Store. Job Relevant Criteria: Must be alert and tactful,

possess considerable initiative, be dependable, courteous and friendly, be able to work effectively and harmoniously, and communicate effectively, both orally and in writing. Must have experience in handling, stocking, and shelving alcoholic and soft drink beverages; must be able to lift and carry boxes, cartons and crates weighing up to 40 pounds. Must possess a knowledge of retail sales such as pricing and purchasing, cost accounting, markups, markdowns, inventory procedures, and be able to train others in the basic use of the above.

## Writing test set for Sept. 1

The English Writing Proficiency Test will be given on Tuesday, September 1, at 9 a.m. Cal-State Northridge students should take the exam as soon as application for admission has been approved. This test must be passed before the student is granted unconditional status as a master's candidate.

Graduate students must attain unconditional status before earning more than 12 units of academic work acceptable toward the master's degree.

The exam fee is \$12. Checks must be made payable to California State University Northridge (CSUN).

Contact Cyndi Jones, NWC ext. 2648, to arrange to take the exam.

## NSTEP job offered

The Naval Weapons Center is currently recruiting for a Naval Scientist Training and Exchange Program (NSTEP) position. The following describes the tasks and functions to be performed. Applicants interested should submit a completed SF 171 to Nedra (Code 09), Room 202, Personnel Building, by close of business August 21. Administrative questions should be directed to Nedra at NWC ext. 2434.

Technology Analyst in the Technology Assessment Division (OP-987) in OP-098, Director for Navy R&D and Acquisition. Applications will be accepted from DP-4s only.

Primary duties include: a. Navy BTI (Balanced Technology Initiative) Program Director. Responsible for managing the execution of 10 new start high payoff/risk R&D projects started in FY 87 and expected to continue through FY 91. Projects support air, surface and subsurface platforms in priority warfare areas. FY 88 planned funding is \$80.3M. Also responsible for the selection process for FY 88 new starts and support of Navy proposals in a multi-agency competition. Direct interface with senior personnel in OSD (DUSD (R&AT)), other DOD agencies, OPNAV, all SYSCOMS, ONT industry. The ability to rapidly assess the net military worth (technical and programmatic) of large R&D projects in a variety of technical disciplines is required.

b. C' Tech Base Development Coordinator. Assesses tech base requirements and direction/effectiveness of ongoing research to meet these requirements. Also assesses the impact of budget changes for input to Congressional inquiries.

c. NSAP (Navy Science Assistance Program) Development Coordinator. Assesses effectiveness of the program to support emergent fleet requirements. Assist the program director transition technology into the formal acquisition system. Also assesses the impact of budget changes for input to Congressional inquiries.

The position reports to OP-987 (Dr. Frank Shoup) and OP-987B (Hugh Montgomery), both SES-4.

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## GD&T offered by Center as a videotaped course

GEOMETRIC DIMENSIONING & TOLERANCING (GD&T) (50 hours).

By George Pruitt, Technical Documentation Consultants.

This course was videotaped before a live audience at NWC in May 86. Now available on 3/4" video cassettes.

Intended Audience: Personnel whose work requires them to either communicate, interpret, or manufacture products through the use of engineering drawings.

Objectives: Students will be taught how to specify GD&T on design drawings in order to achieve a commonality of interpretation among engineering, production, and inspection. The course will show how manufacturing costs can be reduced through the close coordination of all functions from design through production. All elements of the American National Standard Institute Standards ANSI Y14.5-1973 and ANSI Y14.5M-1982 will be thoroughly explained.

Scope: Most of the course material will be presented in lecture form supplemented with viewgraphs. Common errors encountered with GD&T application will be illustrated with actual drawings. Photographs of inspection and manufacturing processes will be shown to help students understand how the drawing will be interpreted by production.

Note: Homework and a final project will be required, the same as for the "live" class, and will be graded and returned by Code 094.

Method: 3/4" Video Cassette

Source: Training Center

Enrollment Form: 12410/73

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ability to coordinate the efforts of a multi-disciplinary staff of professionals and technicians; ability to communicate orally and in writing; ability to interact, coordinate, negotiate with Center, Navy, DOD and contractor personnel and

## Reassignment opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applicants must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

willingness to support NWC EEO policies and goals. A one-year supervisory probationary period may be required. If filled at the DP-3 level, has promotion potential to DP-4; however, promotion is not guaranteed.

**No. 32-264, Interdisciplinary (General/Mechanical/Aerospace/Industrial Engineer/Physicist), DP-801/830/861/896/1310-3, Code 32602 (Readvertisement)** - This position is located in the CATFAE Program Office. Incumbent will be responsible for providing project systems engineering support in the following areas: systems analysis, computer modeling, requirements definition, weapon design, test planning, data acquisition, data analysis, and reporting of the results of analyses to demonstrate feasibility, capability and/or qualification of the CATFAE round. The incumbent will prepare or direct the preparation of analyses, plans, schedules, technical reports, and other documentation necessary to define and support the CATFAE program. The incumbent must be familiar with Navy Acquisition policy, able to interface with on and off center sponsors and various diverse inter-service organizations and contractors. Incumbent should be knowledgeable in design, test and evaluation of munitions and the analysis and documentation growth of new weapons systems. Incumbent must be able to work with others and communicate effectively both orally and in writing. To

apply for this position, send a copy of current SF-171 to A. Lopez, Code 32602, NWC ext. 3736. Previous applicants need not reapply.

**No. 33-007, Interdisciplinary (Electronics/Aerospace Engineer/Physicist), DP-855/861/1310-2/3, Code 3333** - This position is located in the Advanced Technology Projects Branch, which is involved in the design, development and production support of proximity fuzes and associated support test equipment for fleet missiles, both air and ship launched. Active radar and electro-optical technologies are used in this fuze development role. This branch is hardware oriented, and tasks routinely include work with digital and analog circuitry design and development, laboratory and field testing to include captive flight testing, performing feasibility investigations and contract management in support of task goals. The incumbent will perform duties as a senior team member supporting programs in the branch, which includes conducting advanced fuzing studies and development of proximity fuze devices for SPARROW, RAM, and AMRAAM missile systems. Promotion potential: DP-3. To apply, please submit current SF-171 to Bill Vechione, Code 3333, NWC ext. 1211.

**No. 33-012, Electronics Engineer, DP-855-2/3, (three vacancies), Code 3337** - These positions are located in the Short Range Missile Fuze Branch, which is involved in the design and development of proximity fuzes and test equipment principally using active optical technology. This branch is hardware-oriented and tasks routinely include work with digital and analog circuitry development, optical sub-systems development, laboratory and field testing to include captive flight testing, performing feasibility investigations and contract management in support of task goals. The incumbent will perform duties as part of a team supporting programs in the branch, which includes development and advanced fuzing studies of target detection devices for SIDEWINDER, RAM and SIDEARM. Promotion potential: DP-3. To apply, send current SF-171 to Jerry Mumford, Code 33306, NWC ext. 2856.

**No. 33-016, Interdisciplinary (Electrical/Electronics Engineer), DP-850/855-1/2, Code 3336** - This position is located in the Airborne Fuze Systems Branch, which is involved in design, development and production support of proximity fuzes and design support test equipment for fleet missiles. The incumbent will perform duties as part of a team supporting programs in the branch, which includes Phoenix, AAM, and others. Interest in signal processing is desirable with background in radar systems a real plus. Promotion potential: DP-3. To apply, send current SF-171 to Larry Morrison, Code 3336, NWC ext. 1146.

**No. 33-014, Electronics Engineer, DP-855-2/3, Code 3384** - This position is located in the Weapons Survivability Laboratory (WSL) of the

Survivability and Lethality Division, Fuze and Sensors Department. The WSL conducts tests of aircraft and weapons systems for survivability in combat environments. The incumbent will be responsible for the instrumentation of test articles and the acquisition and reduction of test data. Secondary duties involve the design, fabrication, planning, procurement, installation and check-out of new facilities and data acquisition systems. Knowledge of instrumentation fundamentals, transducers, data acquisition and recording equipment, micro-computers, basic and assembly language programming, and aircraft systems is desirable. The ability to organize and prioritize tasks and to communicate effectively both orally and in writing is required. To apply, submit current SF-171 to Dennis Sorges, Code 3384, NWC ext. 6401.

**No. 35-023, Supervisory Interdisciplinary (Aerospace/Electronics/General or Mechanical Engineer / Mathematician / Physicist), DP-861/855/801/830/1520/1310-4, Code 351** - This position is Head, Systems Science Division, Electronic Warfare Department. The incumbent is responsible for directing and managing all technical efforts of the division which specializes in Electronic Warfare Systems analysis, synthesis, simulation, evaluation and software development and support. The Division is also involved in operations research analysis, evaluation of foreign technology, and analysis and synthesis of foreign systems. The position is involved with technology base and latest technological advancements affecting electronic warfare systems, air and surface launched weapons and weapons systems. The incumbent must have the ability to deal effectively with NWC Management, Systems Commands, other DoD agencies and contractors. The incumbent must be able to perform as a first line supervisor and be able to manage an organization. The incumbent must be able to influence and motivate others and be able to communicate in writing. This is open to current DP-4's working at NWC only. Please forward current SF-171 to Dr. Ed Kutchma, Code 35, NWC ext. 3500.

**No. 36-065, Interdisciplinary Computer Scientist/Electronics Engineer/Mathematician/Physicist, DP-1550/855/1520/1310-2/3, Code 36224** - The incumbent will be responsible for learning and supporting the software design team for the AIM-9R program as it transitions from development to production. The task will require the use of the Tektronix Development System, the VAX 780, and the implementation of the 68000 assembly language. The incumbent will also be responsible for establishing requirements for the System Software Support Activity for AIM-9R production support. Please send a current SF-171 to Cheryl Preul, Code 36209, NWC ext. 1049.

**No. 62-039, Electronics Engineer, DP-855-2/3, Code 62551**

The Advanced Systems Branch of the Range Department has an opportunity for a talented engineer with an interest in applying advanced video technology to range instrumentation applications. This position requires experience in analog design, video system design, electro-optics, and/or system engineering. Also required is a desire to work with people, to work in a hands-on environment, and to occasionally leave the lab for field work. Our programs are relatively small, and our probability of fielding systems is high. The incumbent will be assigned to work in the Advanced Video Instrumentation Program with an acknowledged expert in the video field. Projects will include color video tracker, high-speed video, IR cameras, or digital image processing systems. For more information, contact Bob Harriman at NWC ext. 6337, or send your SF-171 to Code 6255. Status eligibles may apply.

**No. 62-024, Electronics Engineer, DP-855-2/3, Code 62552** - The Advanced Systems Branch of the Range Department has an opportunity for an analog design engineer who would enjoy participating in the development of complex range instrumentation systems and following that development through to early deployment on the Range. This position requires experience in analog design, control system design, and system engineering. Also required is a desire to work with people, to work in a hands-on environment, and to occasionally leave the lab for field work. Our programs are relatively small, and our probability of fielding systems is high. The incumbent will be assigned to design major sub-systems of an advanced laser tracking system, as well as other complex range instrumentation systems. For more information, contact Bob Harriman at NWC ext. 6337, or send your SF-171 to Code 6255. Status eligibles may apply.

## Secretarial opportunities

This column is used to announce secretarial positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grade, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretarial duties are implied by the job relevant criteria indicated below.

Applicants will be rated against four or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences. Unless otherwise indicated, applicants for branch secretary will be rated on elements 1/2/3/5/8; division secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office secretary applicants will be rated on elements 1/2/3/4/5/8/9; and department secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

**No. 00-007, Secretary (Typing), GS-318-4/5, Code 01** - Provides secretarial support to the office of the Technical Director and Staff, and the OIT Technical Base Director. Ability to operate the Xerox STAR computer is desirable. Promotion potential to GS-5.

**No. 08-038, Secretary (Typing), GS-318-4/5, Code 0837** - Provides secretarial, typing, clerical and other administrative support to the Corporate Budget Branch. Experience with Xerox

# DOD continues its anti-smoking effort

Not all the results are in, but so far, DOD's anti-smoking campaign looks successful.

A lot of military people still smoke, and they'll be able to keep buying cigarettes on military installations. But the number of uniformed smokers is steadily headed in the desired direction — down.

The number of smokers in the Air Force in 1986 was 31 percent, a 20 percent reduction from 1985. The Army is down to 41 percent — compared with 52 percent in 1985. Final figures for the other services are not yet available, but monthly dollar sales of tobacco products in commissaries

have decreased by 18 percent since November 1986.

In last year's report to Congress on smoking in the military, Assistant Secretary of Defense (Health Affairs) Dr. William Mayer reported that 47 percent of military members smoked in 1985. Although that was a drop from 52 percent in 1982, it was still much higher than the rate for the general population — about 30 percent.

In March 1986, DOD published a health promotion plan establishing policy on smoking and other health risk behaviors. At the same time, Secretary of Defense Caspar W. Weinberger ordered an intense anti-

smoking campaign to be encourage "people who are now smokers to quit, and . . . to discourage people who are not smokers from becoming smokers." At the time, Weinberger said he would continue to allow cigarettes to be sold in commissaries and post exchanges, but would review the policy after the anti-smoking campaign had been in effect for a reasonable period of time.

Tobacco sale policies will be re-evaluated following the release of the 1988 Worldwide Survey of Substance Abuse and Health Behavior among Military Personnel. The only change in the tobacco sales policy is

that this October, commissaries will no longer sell tobacco products to anyone under 18.

But for now, tobacco prices should remain the same, recommended DOD's June 1987 updated report to Congress on smoking and health in the military. It also recommended continuing the current anti-smoking campaign.

Weinberger set a goal for DOD to reduce smoking rates by 10 percent per year and to get military tobacco use significantly below civilian levels within five years. Mayer believes that continued efforts will meet that goal. The service smoking reduction

programs all have three main components: information and motivation activities (anti-smoking education is part of many military training programs); smoking cessation assistance; and making smoking off-limits in all but a few designated places.

These messages appear in "commercials" included in Armed Forces Radio and Television programming for overseas troops and print and audiovisual materials obtained from voluntary and federal agencies.

In addition, DOD-wide information programs constantly remind DOD people of the department's anti-smoking stand.

## Navy's aerobics trend

"Low impact" is the newest trend in aerobic exercise. "It's a fantastic way to get involved in a fitness program," said Joyce Heflin of the Navy's Health and Physical Readiness Office. "It's social, the music is dynamic and with a good, personable instructor, you can get a great workout and have a lot of fun. And it's not just for the out-of-shape — a lot of Seabees and SEALs are taking the classes too."

The Seabees and SEALs and others obviously don't rely on low-impact aerobics to ensure they score well on fitness tests. "But as an adjunct to training, it's super. It can

relieve the boredom of just working on tested skills," said Heflin. For dependents and civilians, low-impact aerobics can fill the bill for a fitness program, said Capt. Frank Gross, staff physiologist at Raldolph Air Force Base, Texas.

Gross likes low-impact exercises because they can improve or develop upper-body strength. "People who focus exclusively on running may be neglecting their upper bodies," said Gross.

Low-impact aerobics was developed after persons taking high-impact aerobic courses started developing stress fractures, knee injuries

and low-back injuries.

Low-impact aerobics includes more floor exercises, and the dance routines keep one foot on the floor at all times.

Said Heflin, "It's important that you make sure your instructor is certified by an organization like the American College of Sports Medicine. A certified instructor will know CPR and other first-aid techniques and will know enough about exercise physiology not to instruct you to do anything dangerous." Low-impact aerobics classes are available at many military recreation and fitness facilities.

## FRA meeting

China Lake Branch 95 of the Fleet Reserve Association will meet Monday at 7:30 p.m. in the Chief Petty Officer's Mess. All active duty and retired Navy, Marine Corps and Coast Guard personnel are invited to attend.

Membership recruiting plans will highlight the meeting agenda, along with the final briefing for the South West Regional Convention, which will be held in San Diego Aug. 13 through 15.

## Animal clinic

Well animals owned by active duty and retired military can receive inoculations on Tuesday, Aug. 4, at the Craft/Hobby Center from 10 a.m. to 1 p.m.

Horses stabled off the base must be transported to the Center stables for their inoculations.

Further information can be obtained by telephoning NWC ext. 3252.

## NOTARY PUBLIC

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# TNT captures title contest

TNT edged Desert Sun Air 12-11 Tuesday night to capture the Intramural Slowpitch championship. TNT was unbeaten in the double elimination tournament.

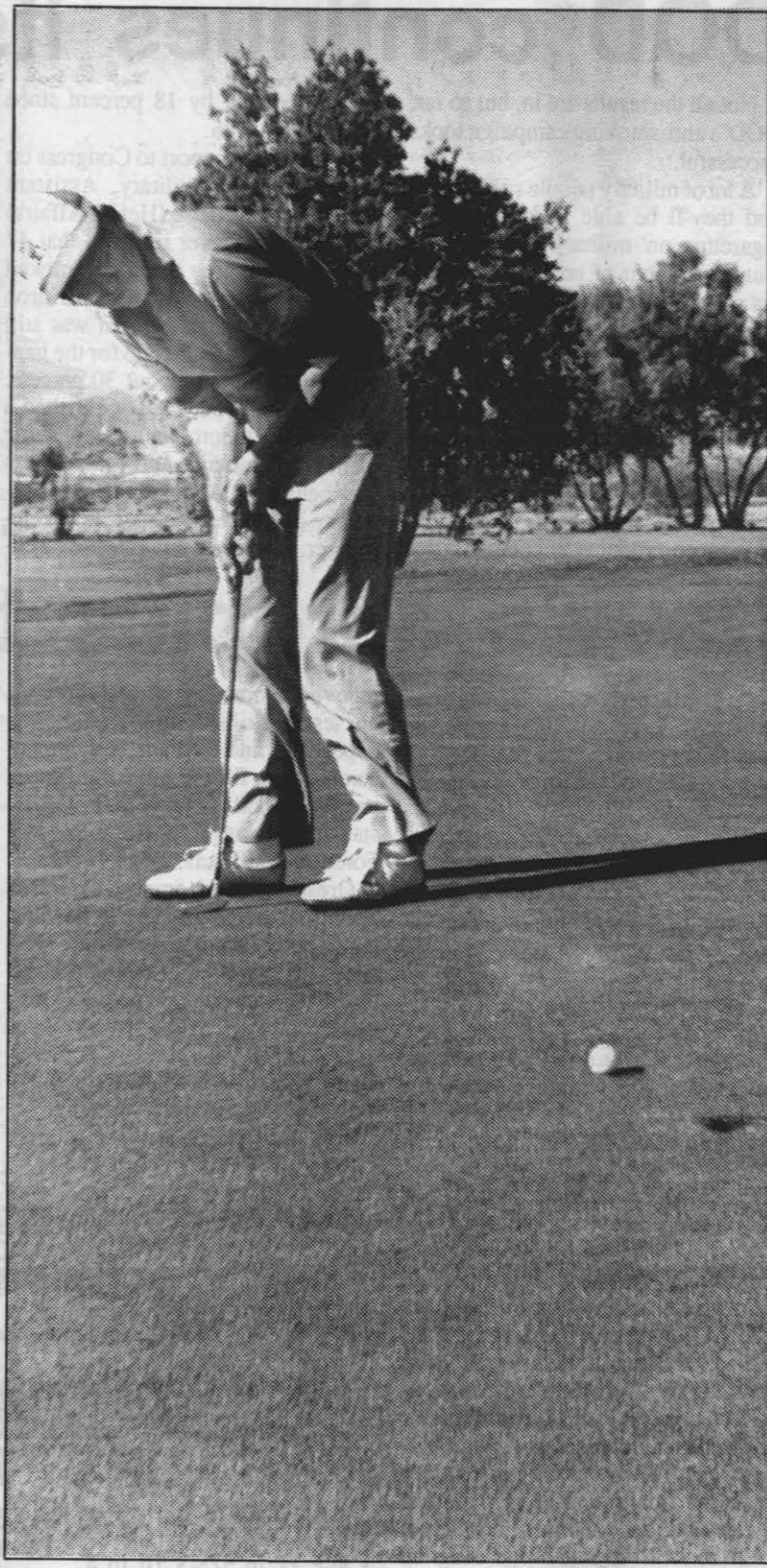
Desert Sun had finished regular season action with a perfect 11-0 record, while TNT was down the ladder in fifth place with a 7-4 record. The champs got hot when it really counted, in the playoffs. Desert Sun lost their opening tourney game to this same TNT team. Had Desert Sun won the first game Tuesday night, a double header would have been

necessary to determine the champ.

Only three teams were still in contention for the 1987 Summer Softball Championship at the end of last week. TNT was undefeated and in the driver's seat while the Outlaws and Desert Sun Air were going to square off for the right to battle TNT in the title game of the double elimination championship tournament.

Last week the Aints eliminated WTFD 12-2 and Desert Sun eliminated Sea Level 15-3. Also, TNT dropped the Softball Team 20-19 in a

close call, and the Aints then eliminated the Softball Team 16-13. The Outlaws handed Bad-To-The-Bone their first loss, 9-2, then Desert Sun's 7-6 win eliminated Bad-To-The-Bone. TNT stopped the Outlaws for the first time, 20-6 to earn their spot in the title game, then Desert Sun eliminated the Aints in a 10-5 triumph to set the stage for a clash between the once beaten Outlaws and Desert Sun (won Monday by Desert Sun) for the right to face the unbeaten TNT team in the title game.



LINKS TIME--Golfers at China Lake Golf Course are getting ready for the annual Commissioned Officers' Mess Scramble. The tourney is a two-day event open to golfers with valid handicaps. Entry deadline for this tournament is Aug. 6. For more information call the COM. —Photo by PH3 Bob Reynolds

## COM tourney set

Golfers with valid handicaps are eligible to compete in the 1987 Commissioned Officers' Mess Golf

Scramble on Aug. 8 & 9. A timeless classic of golf at China Lake, the COM Scramble is limited to the first 144 entries. Male and female golfers are both eligible. There is a \$40 per person entry fee with an Aug. 6 entry deadline. Golfers may register at the China Lake Golf Course and can call NWC ext. 2990 or 3105 for additional information.

The entry fee includes greens fees, refreshments at the opening party, refreshments on the course, tee prizes, a steak dinner party after the tournament on Sunday and more than \$2,000 in prizes for the weekend of activity.

Golfers don't want to miss this big tourney.



## Promotional opportunities

Applications for positions listed in this column will be accepted from appointable Department of Navy employees within the area of consideration and from eligible employees of attached activities who are permanently assigned to NWC unless otherwise specified in the ad. Appointable means career or career conditional employees, temporary employees with reassignment or VRA eligibility and employees serving under Veterans Readjustment Appointment (VRAs). Alternative recruitment sources may also be used in filling these positions: vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements including minimum qualification requirements by the closing date. Applicants will be evaluated on the basis of experience, education, training, performance ratings and awards as indicated in the SF-171 along with any tests, medical examinations, performance evaluations, supplemental qualification statements and/or interview that may be necessary. Career ladder promotions are subject to satisfactory performance and cannot be guaranteed. APPLICATION PROCEDURES: Candidates must submit a current SF-171, along with a supplemental qualifications statement (if required), and should submit a copy of their latest Annual Performance Evaluation (if relevant to the vacancy). If a supplemental statement is not required, candidates are encouraged to submit additional information which then addresses the specific Knowledge/Skill/Abilities (KSAs) cited in the ad. Write the position title/series/level and announcement number on the SF-171 and all attachments. Be sure that your forms are complete and accurate since you cannot be rated on missing data nor will you be contacted for additional information. Be certain the SF-171 and supplement are dated and have original signatures in ink.

All applications will be retained in the vacancy announcement file; they will not be returned or filed in official personnel folders. Applications and supplements are accepted at the Reception Desk, Room 100, Personnel Department, 505 Blandy. Ads close at 4:30 p.m. on Friday, one week after the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any non-merit reason.

No. 08-036, Payroll Clerk, GS-544-3/4, Code 0854. This position is located in the Payroll Branch, Central Staff. Incumbent performs routine research of payroll records to correct leave data; prepares changes to employee earnings, deductions and leave records; prepares report of leave and earnings data. Job Relevant Criteria: Knowledge of computerized payroll systems; knowledge of leave and labor accounting; ability to interpret and apply federal payroll regulations. Promotion potential to GS-5.

No. 08-037, Program Manager, DP-340-4, Code 0803. Temporary position, not to exceed 1 year. This position is the Manager of the Financial Systems Project Office, located in the Central Staff Department. The Project Office is responsible for managing the design, development and implementation of the Standard Automated Financial System (STAFS). This includes arrangements for hardware, software, training, interface with the STAFS design agent, and interface with the existing UNIVAC-based NAVWPNCN financial system. The incumbent will provide expertise on software life-cycle management during the project's development and implementation phases, particularly in areas of configuration management, systems security, quality assurance, formal review and testing of processes. Duties include supervising 12 employees, planning and budgeting for the project; defining, monitoring and evaluating contractor efforts; providing NAVWPNCN assistance as required. Job Relevant Criteria: Knowledge of STAFS programming and data conversion requirements; ability to manage people (consideration will be given for support of EEO programs and objectives); ability to develop and implement an automated financial system.

No. 08-039, Clerk-Typist, GS-322-3/4, Code 0854. This position is located in the Travel Branch of the Customer Services Division. The incumbent receives phone calls and answers routine questions; reviews travel orders; verifies entitlements; provides estimates and computes per diem, mileage, and other transportation costs; and performs other related duties. Job Relevant Criteria: Ability to plan, organize and accomplish work independently; ability to research, comprehend and apply travel regulations; ability to perform routine clerical functions; and ability to interact tactfully with all levels of NWC personnel. Promotion potential to GS-4.

No. 08-040, Mail/File Clerk, GS-305-3/4, Code 0852. This position is located in the Command Mail, Files and Records Branch. Incumbent will work in the central mail unit of the Naval Weapons Center and is concerned with opening and processing incoming first class mail, routing items by content, sorting mail for distribution, and maintaining files. Job Relevant Criteria: Knowledge of NWC organizational structure; knowledge of the Navy filing system; ability to deal tactfully with people. Promotion potential to GS-5.

No. 09-006, Clerk-Typist, GS-322-4/Staffing Clerk (Typing), GS-203-4/5, Code 092. Incumbent is the central point of contact for individuals interested in employment with NWC or the Federal Government. Incumbent counsels prospective employees regarding the eligibility and application procedures; serves as central coordinator for OPM certificates of eligibles; and maintains PDS file (Predetermined Score) for direct hire of Clerk-Typist. Job Relevant Criteria: Knowledge of the Federal employment process; ability to meet and deal with the public; to interpret and apply complex regulations; to communicate verbally; to assume increasing responsibility. Promotion potential to GS-5. Status eligibles may apply.

No. 09-007, Clerk-Typist, GS-322-4/Personnel Clerk, GS-203-4/5, Code 096/097. Incumbent performs the following duties for a major department(s): processes all actions affecting appointments, pay setting, separations, conversions of appointment, etc.; performs competitive and noncompetitive qualification ratings; performs ranking and may conduct ranking/selection panels; and drafts vacancy announcements for recruitment. At the higher levels, incumbent advises and recommends to supervisors and managers recruitment options for certain occupations (e.g. clerical); participates in various phases of crediting plan development which may include, but is not limited to job analysis and establishing KSAPS. Job Relevant Criteria: Knowledge of personnel policies and procedures related to staffing; ability to plan, organize and accomplish work independently; to perform a variety of clerical/technical functions; to research, comprehend and apply complex regulatory information. Promotion potential to GS-203-7. Status eligibles may apply.

To comprehend and apply regulatory material. Promotion potential to GS-6. Status eligibles may apply.

No. 35-024, Supervisory Program Manager, DP-340-4, Code 351. This position is Head, Systems Sciences Division, Electronic Warfare Department. The incumbent is responsible for directing and managing all technical efforts of the division which specializes in Electronic Warfare Systems analysis, synthesis, simulation, evaluation and software development and support.

The Division is also involved in operations research analysis, evaluation of foreign technology, and analysis and synthesis of foreign systems. The position is involved with technology base and latest technological advancements affecting electronic warfare systems, air and surface launched weapons and weapons systems. The incumbent must have the ability to deal effectively with NWC Management, Systems commands, other DoD agencies and contractors. The incumbent must be able to perform as a first line supervisor and be able to manage an organization. The incumbent must be able to influence and motivate others and be able to communicate in writing. This is open to current DP-4's working at NWC only. Please forward current SF-171 to Dr. Ed Kutchma, Code 35, NWC ext. 3500.

No. 24-026, Supervisory Firefighting, GS-081-9, Code 2422. This position is that of Assistant Fire Chief. The incumbent serves as Platoon Supervisor over three fire stations, responding to all crash, structural, and medical service emergencies on the Center and, as necessary, takes overall command. The incumbent acts as second line supervisor. Job Relevant Criteria: Knowledge of all phases of firefighting involving weapons, aircraft structures, flammable liquids and explosives. Ability to plan initial attack and place firefighting equipment to facilitate rescue and best control of fire. Ability to manage an organization. Ability to influence and motivate others. Ability to communicate in writing. Knowledge of affirmative action principles including a willingness to implement EEO practices. Selectee must serve an initial one year supervisory probationary period, if requirement not previously met. Promotion potential to the GS-9 level.

No. 24-029, Supervisory Firefighter, GS-081-7, Code 242. SUPPLEMENTAL QUALIFICATIONS STATEMENT REQUIRED. This announcement will be used to establish a register. Selections may be made from this announcement through February 1988. This position is that of Station Captain, located in the Fire Division of the Safety and Security Department. The incumbent is responsible for providing direct supervision to firefighting crews, including emergency medical personnel, located at one of the Center's three fire stations. Job Relevant Criteria: Knowledge of all phases of firefighting involving weapons, aircraft structures, flammable liquids, and explosives; ability to communicate in writing; and knowledge of affirmative action principles, including a willingness to support EEO. Selectee must serve an initial supervisory probation period, if requirement has not been previously met. Promotion potential to the GS-7 level.

No. 24-027, Supervisory Police Officer, GS-083-8, Code 2413. Serves as the Police Division functional supervisor over the Police Patrol Operations. Ensures that all calls for service received by the Police Division are handled promptly and personnel under incumbents control conduct thorough inquiries into all matters reported to or discovered by patrol personnel. Ensures that patrol personnel utilize the most efficient methods and techniques to accomplish their objectives. Participates in patrol operations and investigations only in situations requiring the presence of a higher ranking officer. In cooperation with Division Training Officer, prepares roll-call training sessions to advise officers of new laws or court decisions, new police methods, or re-training in various areas to maintain familiarity and readiness. Job Relevant Criteria: Ability to plan, organize, assign and review work; ability to motivate and work with subordinated of varied backgrounds, knowledge of California Criminal

Statutes, ability to communicate in writing, knowledge of affirmative action principles, including a willingness to support EEO. Selectee must serve an initial supervisory probation period, if requirement has not been previously met. Promotion potential to the GS-8 level.

No. 24-028, Security Clerk, GS-303-4/5, Code 2432. The incumbent of this position provides a variety of clerical and support functions and limited technical assistants and Specialists of this branch in implementing the information security program for the command. Job Relevant Criteria: Knowledge of security regulations; knowledge of Navy filing systems, knowledge of Naval correspondence. Promotion potential to the GS-5 level.

No. 36-066, Supervisory Interdisciplinary Computer Scientist/Engineer/ Mathematician/Physicist, DP-1550/855/801/1520/1310-3, Code 36224. This position is Head Software Support Section, Systems Electronics Branch, Systems Engineering Division, Engineering Department. This section is responsible for supporting and participating in the transition of the Sidewinder AIM-9R software design from code 39 to code 36. In addition, the incumbent will be responsible for establishing and controlling the System Software Support Facility for AIM-9R production support. Job Relevant Criteria: Knowledge of programming and documentation practices; knowledge of hardware and software; knowledge of affirmative action principles, including a willingness to implement NWC EEO practices; ability to communicate orally; ability to communicate in writing. The incumbent may be required to serve a one year supervisory probationary period.

No. 26-041, Procurement Clerk (Typing), GS-1106-4/5, Code 2609. Assists in the administration of contracts under the Contract Administration Branch. The function of this position is to assure the prompt processing of work orders, invoice processing, data base management of contractual data, contract files, change order processing, and other related contract functions. Job Relevant Criteria: Knowledge of procurement procedures; ability to work with others; ability to communicate orally; ability to communicate in writing; ability to prioritize work. Promotion potential GS-5.

No. 26-042, Administrative Assistant, DA-341-I, Code 26402. This is a temporary promotion NTE 1 year. The incumbent provides administrative assistance to the division head and managers within the division on a variety of issues, including personnel, resource management, administrative policy and safety and security programs. Job Relevant Criteria: Ability to communicate in writing; ability to communicate orally; ability to perform research and analysis; ability to work with people at all levels within the organization.

No. 33-020, Supervisory Interdisciplinary (Physicist/General/Mechanical/Electrical Engineer), DP-1310/801/830/855-3/4, 3353. The position is that of Head, Exploratory Development Branch, Electromechanical Division, Fuze and Sensors Department. The branch is responsible for the exploratory and advanced development of safety-arming and arming-firing devices, contact fuzes, warhead initiation systems, bomb fuzes and related components. These devices are typically electromechanical with increasing emphasis on electronic components, microprocessors, and software design. Members of the branch provide consultation in the areas of mechanical system analysis, electronics, heat transfer, explosive train design, and software design. The branch is also responsible for the operation of the Computer Aided Engineering Facility in Code 335. Job Relevant Criteria: Knowledge of the exploratory and advanced development phases of guided missile development, particularly for safety-arming and arming-firing devices, contact fuzing and ordnance systems; knowledge of conventional weapons systems safety; technical backgrounds encompassing electronics, mechanics, physics, software, and some

chemistry; ability to direct, train, and provide leadership to a multi-disciplined group; ability to communicate clearly and effectively both orally and in writing; ability to interface with sponsors, contractors, and NWC management; willingness to support NWC EEO program; new supervisors will be required to serve a one year probationary period. Promotion potential to DP-4, but not guaranteed.

No. 38-007, Clerk (Typing), GS-303-5, Code 38102. This position is located in the Physics Division of the Research Department. The incumbent provides support to the Administrative Officer in various administrative areas as well as providing clerical support to the division staff. Job Relevant Criteria: Ability to operate a computer; knowledge of general office procedures including the NIF system; knowledge of fiscal reports; ability to deal effectively with others. Previous applicants need not apply.

No. 39-037, Electronics Technician, DT-856-1/2, Code 3954. Assist and/or provide direct technical support in the design, fabrication, rework and modification of electronic systems for laboratory and field test. Provide test support by preparing test equipment and participating in field and laboratory systems evaluations. Job Relevant Criteria: Knowledge of electronic components; ability to read schematics and engineering drawings; certification or ability to be certified as an operator under WS6536 soldering technology; ability to work with small hand tools; ability to communicate effectively with people. AS degree in electronic technology or in the process of obtaining such or equivalent is desirable. Promotion potential to DT-3.

No. 39-038, Computer Engineering Technician, DT-802-1/2, Code 3954. This position is located in the RF Systems Branch, RF Division, Weapons Department. The incumbent will be responsible for providing computer simulation support to the branch engineering staff. An additional duty will be that of system manager for the branch HP-9000 Series 500 computer system. Job Relevant Criteria: Ability to program in fortran and pascal; ability to communicate effectively with people; good understanding of trigonometry and math; knowledge of UNIX and MS-DOS operating systems desirable. Promotion potential to DT-3.

No. 62-048, Model Maker, WG-4714-14, Code 62222. This position is located in the Engineering Section, Track Branch, Range Operations Division, Range Department. The incumbent is responsible for fabrication and welding of various types of rocket sled test hardware. The incumbent will work from formal documentation, sketches, and verbal instructions. The incumbent is responsible for layouts, material selection, and welding material compatibility. Job Relevant Criteria: Knowledge of pertinent materials; ability to use shop drawings; ability to use hand tools; ability to do measurement and layout; ability to do the work of the position without more than normal supervision. Promotion potential to WG-14. A supplemental is required and can be obtained in Room 100 of the Personnel Building.

No. 64-190, Supervisory Interdisciplinary (General Engineer/ Electronics Engineer/ Physicist), DP-801/855/1310-3/4, Code 64401. This position is Associate Head of the Electronic Warfare Threat Environment Simulation (EWTES) Division. A major element of the duties of the associate will be to identify future EW test requirements and potential range customers. The incumbent will assist the division head in planning, overseeing and coordinating the technical work of the divisions and support of the identified requirements. This includes instrumentation development, simulator measurement and verification and coordination with the Simulator Development program office for range integration of new simulators. Job Relevant Criteria: Knowledge of electronic warfare/electronic warfare testing, radar, computers, real-time software, digital interfaces, communications, long range operations, experience in managing projects and the



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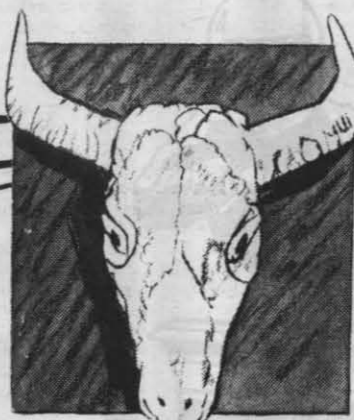
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**FUN FAMILY EVENING** — More than 400 people attended the annual Ice Cream Social sponsored by the All Faith Chapel and enjoyed listening to the Dixieland Jazz Band as well as munching the goodies. Youngsters also discovered the wonders of the fish pond and other events planned for them. The Protestant Women of the Chapel netted \$1,350 for mission projects that evening.



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PHOTOS BY

PH3 Bob Reynolds

## CLPD says...

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- Put things away. Lawn furniture, bicycles, etc., should be put away before leaving. Items left out can be easily stolen.

- Don't discuss your absence in public, and don't give information about your vacation to the newspapers—you can give details when you return.

- Move valuables so they can't be seen from windows. Be sure you have a list of small appliances and valuables.



- Arrange inspection by a trusted neighbor, or, better yet, you contact your local law enforcement agency for vacation checks if you will be gone more than a few days—to be sure nothing has been disturbed.

- Don't close blinds, pull shades down or do other things to advertise that the house is empty.

- Use clock timer or a photo-electric relay to turn lights on and off at certain times, giving the house an occupied look.

- In case of a break-in, the neighbor should know how to reach you and your insurance agent—and should give this information to police when reporting suspected burglary.

- Most important, have a very good time!

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## Anglers, fish stay hungry

Roadside streams were ideal spots for anglers to drop their lines well baited with red salmon eggs last weekend in the Owens Valley. Planted trout were hungry and not very smart; most anglers caught a limit with relative ease.

Back country lakes also were full of hungry trout. Those willing to hike to these lakes could use a wide range of flies or lures or bait and still be assured of having a trout dinner. Anglers heading to the high country should be sure to carry plenty of mosquito repellent, and should also watch out for the thunderstorms that are typical of late summer.

In the Owens Valley, bass fishing has slowed to a standstill. Only the extremely hungry bass are still biting as the weather continues to heat waters. Catfish are still being caught in the warm water fishery on the southern Owens River and in the ponds and sloughs.

Lakes and streams from Lone Pine to the Nevada border are good for planted rainbow trout and wiley native browns according to the Bishop Chamber of Commerce.

Back country waters out of Lone Pine are still good for golden trout using mosquito pattern flies and sierra bright dots. Whitney Portal Pond and Lone Pine Creek are also giving up fair number of pan-size planted

Anglers fishing North Lake seem to do best from rafts in the middle of the lake using the bubble fly combo or mosquitoes.

On the lower Owens River, the best fishing comes to anglers seeking rainbows or browns with crickets or worms. The river level is low and fishing is fair.

Lower Rock Creek and Pine Creek are giving up rainbows and some browns using eggs, cheese or worms. Rock Creek Lake fishing is improving for pan-size rainbows for angler using worms or marshmallows for rainbows and Super Dooper Lures for browns. Fishing is best early or late in the day.

Crowley Lake's level is lake is low and weeds are hindering fishing from shore. Float tubes are needed for best action using damsel fly and various nymph flies. The Twin Lakes special works well in the old timber bridge is a good area at the lake for browns and rainbows 18 to 22 inches in size.

With no water coming from Grant Lake, the upper Owens River is low. Dry fly fishing is good for small rainbows 6-8 throughout the day. Also, during the last 45 minutes of legal fishing time anglers have had luck landing browns or rainbows up to 14 inches on grasshoppers, crickets or imitations.

trout on red salmon eggs, worms or floating cheese bait.

In the Bishop area, fishing at Lake Sabrina is improving as the weather turns warm. Limits and near limits of planted rainbows are being taken by anglers from boats fishing just off shore near the lake's inlets. Shore fishing is also reported to be best near the inlets with red eggs working best.

At South Lake and on the southern fork of Bishop Creek, trout up to one pound are being taken by anglers fishing with small lures, cheese bait or nightcrawlers. South Lake is best in back area near the falls.

On Hot Creek, anglers need high visibility dry flies such as elk hair caddis, king river caddis or wet flies

such as sized 20 seven-fails or hare's stream where it takes more skill than ears. This is a catch and release area. luck to land a keeper.

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## Eating the coots may be a hazard

Dr. Leon Hebertson, Kern County Director of Health Services, warns hunters that higher selenium levels found in American coots in irrigation/evaporation ponds in northwestern Kern County can be hazardous if eaten in any quantity.

No one should eat more than 4 ounces a week of these mud hens' flesh or liver. Four ounces of meat is approximately equal to the size of a large hamburger patty.

Pregnant women, nursing mothers and children age 15 and under should not eat any American coot from northwest Kern County.

Toxic levels of selenium may cause nausea or vomiting, rash and

loss of hair. It is also possible that some birth defects may be related to consuming high levels of selenium.

Selenium is important to health, but the amount necessary is between 0.05 and 0.2 milligrams daily and can be gotten from a well-balanced diet.

The coot is the only slate gray, duck-like bird with a white bill. Its head and neck are darker than the body, and it has a divided white patch under its tail. The bird rarely takes flight and characteristically pumps its head and neck forward and back as it swims. The coot has orange eyes and feet that are lobed instead of completely webbed.



## Knights of Columbus

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## Bobby Sox girls earn tournament invitation

Members of the Ridgecrest Bobby Sox American Girl fast-pitch softball will join 23 other teams for the American Girl National Tournament Aug. 15-21 in Buena Park.

The area team earned the right to compete in this national tourney by winning their district tournament earlier this month. The Ridgecrest girls stopped a previously unbeaten Needles team twice to capture the title and

the national tourney invitation. Several fund raising events are planned in the near future to raise the money needed to send the team to Buena Park. The Bobby Sox League is holding a dinner/dance on Friday, Aug. 7 at the American Legion Hall. Admission is just \$4 per person which includes dinner and dancing to the music of SIVA.

On Monday, Aug. 10, the NWC



Firefighters softball team will meet the American Girl All-Stars in an exhibition fast-pitch game. This game is set for 7 p.m. at NWC's Schoeffel Field. Admission costs are \$3 for adults and \$2 for children under 16 years of age.

Competing for the area team will be Laura Cordova, Amy Hail, Gia Hyles, Anna Keller, Kristin Lucas, Michele Lucas, Becky Mayhugh,

Kristin McCrary, Tina Meldahl, Christine Paiz, Holly Parrie, Carrie Ryan, Rita Scanlan and Margaret Zidek. Scott Lucas and Tracy Gulley are coaches and Anita Paiz is the manager.

Tickets to both events are now available from members of the team or from Lenny Gulley (446-2807) or Joy Ryan (375-9208). Tickets will also be sold at the gate each day.

## Danger may lurk in those rays of sunshine

Planning to catch some rays this weekend? Go ahead—but be careful. More than 90 percent of the 450,000 new cases of skin cancer that will be diagnosed this year will develop in parts of the body directly exposed to the sun. Skin cancer is the most common form of cancer, and the number of cases increases every year.

Fortunately, most new cases are

either squamous cell or basal cell cancer. These cancers are easy to treat if caught early, often with a simple outpatient procedure similar to having a wart removed.

But a third kind of cancer, melanoma, is potentially fatal. About 22,000 new cases of melanoma are reported every year, resulting in as many as 5,500 deaths. The rate of melanoma

cases is almost three times what it was 10 years ago. The disease is also affecting a younger age group than before.

Perhaps the growing number of skin cancer cases does have something to do with the depletion of the ozone layer, as some scientists believe. But it could also be attributed to the fact that tanning has become more fashionable in this century. Before, ladies took care to avoid so much as a freckle.

Fair-skinned people, particularly blondes and redheads, are at more risk for skin cancer than others. They lack sufficient melanin, a pigment substance that filters out the sun's rays. People who work outdoors and those who live in sunny latitudes are also more at risk. However, no one, no matter how dark their skin, is immune.

Since overexposure to the sun is the main cause of basal and squamous cell cancer and is believed to be the cause of melanoma, skin protection is important.

In addition to protection against cancer, career protection can be an incentive to respect the sun. Military members are subject to disciplinary action for reporting to duty with an incapacitating sunburn. According to Army Lt. Col. (Dr.) George Winton, assistant chief dermatologist at Walter Reed Army Medical Center, Washington, D. C., some early research to develop modern sunscreens was sponsored by the military.

Here are some of Winton's tips for saving your skin:

- If you feel you must get a tan, do so gradually, giving yourself a little more exposure every day. This allows your skin to thicken, providing more protection.
- If possible, avoid, or limit yourself to 15 minutes exposure during the hours of 10 a.m. and 3 p.m. Ultraviolet rays are strongest during those hours.
- Use a sunscreen. Para-aminobenzoic-acid—PABA—is the most common effective ingredient in sunscreens, but a few people are allergic to it. Winton recommends sunscreens containing cinnamate if you're allergic to PABA. Both sunscreens are available in popular brands. Most of these products carry a number indicating the degree of protection they afford. The higher the number, the more the protection. Fair-

skinned people and very young children should use No. 15. Life-guards and others who are out in the strong sun a lot should use an opaque sunscreen on their noses and lips.

- Be extremely careful about using tanning salons. Winton and the American Academy of Dermatology recommends against using tanning salons at all. Researchers aren't yet sure, but they believe repeated use of the salons may lead to skin cancer.
- Be careful, even if it's cloudy—ultraviolet rays can get through clouds.
- Certain drugs, such as tetracycline, can make your skin more susceptible to burns.

Finally, get to know your skin and your own pattern of moles, freckles and beauty marks. Once a month, after your shower, give yourself a onceover. If you spot any change in the size, color, texture, or shape of your marks, see a doctor.

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Thermometer	Wind Chill
80	63
75	50
70	40
65	33
60	25
55	17
50	12
45	7
40	2
35	0
30	-7

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## Only one solution known to cure a hangover

Mellow, tipsy or tight; plastered, soused or loaded; dead drunk, under the table or out cold. Whichever terms describes your last bout with alcohol, chances are the experience was followed by a hangover you thought could have won an Academy Award for special effects.

But the length and severity of that hangover tells a lot about your relationship with alcohol. With the occasional overindulgence, most people experience a headache, stomach discomfort and mild anxiety, and the symptoms usually disappear within a few hours.

But alcoholics experience much harsher symptoms. Their hangovers, write Drs. Jack Mendelson and Nancy Mello in their book, "Alcohol: Use and Abuse in America," are actually a withdrawal from alcohol.

Within six to eight hours after an alcoholic has his last drink, he develops a series of signs and symptoms. These symptoms usually become most severe in the next 24

hours and gradually diminish within the following 48 to 72 hours.

"The major signs include tremor of the arms and hands and sometimes the tongue and torso, sweating, a flushed face, a mild increase in the heart rate, rapid involuntary movements of the eye, hyperactive reflexes, nausea and vomiting," they write. Alcoholics also experience disorientation, nervousness, insomnia, nightmares and, occasionally, hallucinations, according to Mendelson and Mello.

Army Dr. (Col.) Harry C. Holloway, chairman of the Department of Psychiatry at the Uniformed Services University of the Health Sciences, the nation's only military medical school, said the mild discomforts that occur after an occasional overindulgence are actually very complex reactions occurring in the body.

"There are poisons in alcoholic drinks," he said. "And after a period of drinking, those toxins accumulate in the body in numbers high enough

to cause some discomfort to the drinker."

By now you've probably guessed that stuffing yourself with greasy food or drinking nasty concoctions won't help either. You're right. Holloway recommended aspirin and fruit juices to make you feel a little more comfortable.

Unfortunately, there are many gimmicks but only one cure: Modern medical science says the only 100 percent sure way to avoid a hangover is abstinence.



**OUTSTANDING PERFORMANCE—Capt. John Burt, NWC Commander, presents Sterling Haaland a safety certificate denoting 50,000 man-hours worked by the Engineering Department without a lost-time accident. The Skipper praised the department's personnel, noting the record was especially outstanding because of the hazards of machine shop operations.**

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## Center Theater Movies For August

SAT	1	Burglar (R)
SUN	2	Burglar (R)
TUE	4	* The Great Mouse Detective (G)
WED	5	No Mercy (R)
THU	6	* My Little Pony (G)
FRI	7	Raising Arizona (PG-13)
SAT	8	Raising Arizona (PG-13)
SUN	9	Raising Arizona (PG-13)
TUE	11	* Pinocchio (G)
WED	12	Where The River Runs Black (PG)
THU	13	* Gobots/Battle of The Rock Lords (G)
FRI	14	Crimes of The Heart (PG-13)
SAT	15	Crimes of The Heart (PG-13)
SUN	16	Crimes of The Heart (PG-13)
TUE	18	* Rainbow Brite & The Star Stealer (G)
WED	19	Assassination (PG-13)
THU	20	* Dot & Keto (G)
FRI	21	Blind Date (PG-13)
SAT	22	Blind Date (PG-13)
SUN	23	Blind Date (PG-13)
TUE	25	* Care Bears II: A New Beginning (G)
WED	26	Wisdom (R)
THU	27	* Transformers: The Movie (PG)
FRI	28	Secret of My Success (PG-13)
SAT	29	Secret of My Success (PG-13)
SUN	30	Secret of My Success (PG-13)

### \* Matinees

Matinees: Box Office opens at 1:30 p.m., show begins at 2:00 p.m.  
Evening Movies: Box Office Opens at 6:30 p.m., show begins at 7:00 p.m.  
Fees: Adults, \$1.35; children 6-12, \$.50; 5 & under free

## Summer Birthday Pool Parties

Let Youth Activities do the work and make your child's birthday a special one. We're ready to party with 3 great new themes to pick from, such as Beach Party; we bring the beach to China Lake with palm trees, surf boards, surfing music and much more. There are also Dinosaurs and Tumbling Teddys, new party themes. You may also choose one of these great themes: Circus Clowns, Sports, Wild Animal, & Pirates. All parties include cake, ice cream, party favors, and pool games. A balloon-o-gram will be delivered to the birthday child by the great Kahuna or Gidget. You may choose either the Enlisted Pool, the Chief Petty Officers' Pool, or the Commissioned Officers' Pool. The price for these great parties is \$5.00 per person. Registration is taken at the Information, Ticket & Tour (ITT) Office during regular business hours Monday through Friday from 9:00 a.m. to 5:00 p.m. For more information please call the ITT Office at 939-2010.

## Crafty things to do at the Craft/Hobby Center

### Advertise your department with a logo mug

Your Department Logo can now be reproduced and put on a fantastic mug. These great mugs make appropriate gifts for those visits by V.I.P.'s.

Department Logo mugs are available in white with a color logo for departments ordering 200 or more and take 6 weeks to fill order. Logo samples are required. Off white mugs for orders less than 200 are available and produced in black only. One week is required to fill order.

For more information please call the Craft/Hobby Center at 939-3252.

### Oil Painting Class

Create a work of art in this month's Oil Painting class at the Craft/Hobby Center taught by Thelma Strand. One class session is available on Monday mornings from 8:00 to 11:00 a.m. Class fees are \$10.00 for active duty military and dependents, \$12.00 for DOD civilians, retired military and dependents and \$16.00 for private citizens. Class fees don't include supplies and are available at the Craft/Hobby Center. For more information please call the Craft/Hobby Center at 939-3252.

### Porcelain Doll Classes

Christmas is coming fast and now is the time to start thinking about gifts. Start early with our porcelain doll class that will teach you the techniques of this fantastic art. Upon completion of this course you will have made a beautiful doll great for that special someone for Christmas. Classes are held at the Craft/Hobby Center and cost \$10.00 for active duty military, \$12.00 for DOD civilians & retired military and \$16.00 for private citizens. These fees do not include supplies which are available at the Craft/Hobby Center. The closing date for this class is August 7 when fees must be paid and doll selected. For more information please call the Craft/Hobby Center after 1:00 p.m. at 939-3252.

### Well Animal Clinic

A well animal clinic is scheduled for Tuesday, August 4, at the Craft/Hobby Center. This clinic offers inoculations for well animals only. (This service is only available to active duty and retired military and requires appointments.) Animals will be seen by the veterinarian from 10:00 a.m. to 1:00 p.m. Horses stabled off-base must be transported to the Center Stables. For more information please call the Craft/Hobby Center at 939-3252.

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## Sports Info

### Over 30 Men's Softball

An organizational meeting for this exciting new addition to our yearly sports line-up will be held on Wednesday, August 19, at the Center Gymnasium at 4:30 p.m. The league will be open to all personnel. For more information please call 939-2334.

### MDISL Golf

The Mojave Desert InterService League (MDISL) Golf will be hosted by Edwards AFB on 19-20 September. All interested golfers should contact the Sports Office at 939-2334.

### Reminder

Different sports programs offered through the Sports Branch are open to all DOD employees and occasionally to private citizens. DOD or private citizens are required to pay a pro-rated share of the program cost as determined by the Sports Office. For more information please call the Sports Office at 939-2334.

### Up-Coming Fall Sports

- \* Team Racquetball in October
- \* Military Bowling in September
- \* Basketball in November
- \* Racquetball Tournament in November
- \* MDISL Racquetball tournament hosted by AFS Los Angeles on 17-18 October.

For more information on any of the above, please call the Sports Office at 939-2334.

### Attention Bowlers

Now is the time to start thinking about fall bowling. Sign-up is now being taken for all Fall/Winter Leagues which will begin in September & October. Special time requests must be presented to the Bowling Center Manager. For more information please call 939-3471/3472.

### Adult Classes

**Slimmer Image Aerobics**- This exciting class taught by Carla McDonough is held every Monday, Wednesday & Friday at the Youth Center and Thursdays at the Gym Annex. Class is from 5:00 to 6:00 p.m. and costs \$22.00 for one month. Bring a towel or mat to class.

**Aqua Aerobics**- Cool exercise is the name of the game when you get in the water with instructor Nancy Aigner for Aqua Aerobics. Held every Monday & Wednesday at the Indoor Pool from 6:00 to 7:00 p.m. Cost is \$16.00 for one month.

**Karate**- Tom Gerrard will guide you through the art of Tang Soo Do at the Gym Annex every Tuesday & Thursday from 5:30 to 7:00 p.m. The cost for this class is \$12.00 for one month.

# The Clubs & Recreation News

## ROADRUNNER

Volume 1, No. 8 Naval Weapons Center, China Lake, CA August 1987

## Officers' Club & CLOTA present dinner & cocktail theater in August

The Commissioned Officers' Club will host the Community Light Opera and Theater Association's (C.L.O.T.A.) dinner and cocktail Theater production of the light comedy "40 Carats," directed by Kathy Huey and stars Tricia Siegel & Loren Dorell.

"40 Carats" will play to "dinner theater goers" on Friday, August 21, and 28. Cocktail theater performances will be Saturday, August 22, and 29.

Dinner will feature Roast New York Loin Steak and will be served starting at 6:00 p.m., followed by CLOTA's "40 Carats" at 8:00 p.m. Tickets are only \$17.50 per person for the dinner theater and reservations are required. Please call the Officers' Club by August 18 for the August 21 dinner performance and by August 26 for the August 29 dinner performance.

Cocktail Theater tickets may be purchased at the Officers' Club for \$6.50 per person. The price of admission includes two drinks, either alcoholic or non-alcoholic. Cocktails will be served beginning at 6:00 p.m. and "40 Carats" will begin at 8:00 p.m.

Don't miss this fabulous presentation directed by Kathy Huey. Non-members and all ages are welcome. For more information on all shows please call the Officers' Club at 939-3105 or 446-2549.

## Country Fair

If you're bored with the same old weekend activities, look no further because this year's Country Fair is just the thing the doctor ordered to cure the same old rerun blues! Come to Solar Park on Saturday, August 8 anytime from 10:00 a.m. to 4:00 p.m. and enjoy some good old country fair activities including: water games, dunk tank, exhibits, carnival games with great prizes & refreshments. All ages are welcome because fun is for everyone! No registration is necessary. Game tickets will be on sale for \$2.50 for 20 tickets. For more information please call the Youth Center at 939-2909.

## Auto Hobby Special of the Month

Come in during the month of August and get 4 electronic wheel balances for the price of three. We are located between the former Maturango Museum building and the NWC Training Center. All military and their dependents and DOD civilians are welcome. Stop by and check us out.

## Fall Flag Football

A meeting will be held for all interested in the Fall Flag Football League at the Center Gymnasium on Wednesday, August 26, at 4:30 p.m. This league is open to all personnel. For more information please call 939-2334.

## Children's Center Fall Registration

The Children's Centers are currently accepting registration for the 1987-88 school year in the following programs.

### Enrichment Program

The Enrichment Center offers a developmental program for three and four year old children. The program provides kindergarten readiness skills, ballet lessons and field trips. Variations of the program are offered as follows. For registration and information call Janet Butler at 939-2653 or Camie Fielder at 939-2735.

Program	Age	Monthly Fee	
		Military	DOD
2 day (Tue. & Thur)	3 & 4 year olds	\$40.80	\$50.40
3 day (Mon, Wed, Fri)	4 year olds	\$58.15	\$68.35
5 day (Mon - Fri)	4 year olds	\$98.95	\$118.75

## Kindergarten Program

The kindergarten program provides before and after school care. Classes are small with planned stimulating activities especially for kindergarten children.

The Children's Centers programs are designed to supplement your home environment by providing experiences to help your child in his/her overall growth. For additional information please call Bonnie Holmes at 939-2422 or D. Camie Fielder at 939-2735.

## LIVE Country Band at EM



Grab your cowboy boots and get ready for some knee slapping country fun as we present the popular band "CROSSFIRE" on Friday August 21, at the EM Club. Admission for this great night of entertainment is \$2.00 for active duty and \$3.00 for all others. The band will strum the guitars from 9:00 p.m. to 1:00 a.m.



The stars of "40 Carats" during rehearsal. From left to right Tricia Siegel, Loren Dorell, and Susan Cargin.

## Commissioned Officers' Club Golf Scramble

Shine those clubs and get them ready for the Rolls Royce of golf tournaments as the Officers' Club presents The Commissioned Officers' Club Golf Scramble, a timeless classic that has been enriched and brought back to make this year's tournament the best yet.

This monumental event will take place on August 8 & 9. The field will be filled by the first 144 entries, Men & Women. Authenticated handicaps are required. Entry fee is \$40.00 per person and includes hors d'oeuvres & FREE Beer at the Officers' Club on Friday night at the opening party, FREE soft drinks & Beer on Golf Course during play, FREE Coffee & Rolls each morning, tee prizes, a Steak Dinner at the O'Club Pool on Sunday afternoon with entertainment provided for your dancing & listening pleasure by a D.J., over \$2000.00 in prizes, closest to hole awards & door prizes (top door prize is a year golf membership at the China Lake Golf Course; must be present at drawing to collect).

Entry deadline is August 6. Sign-ups are currently being taken at the China Lake Golf Course. For more information please call the Golf Pro Shop at 939-2990.

Soccer Coaches meeting will be held from 5:00-6:30 p.m. at the Youth Center on Thursday, September 17.

Referee Instructional Clinic will be held from 8:00 a.m.-12:00 p.m. at Youth Center on Saturday September 19.

For more information please call the ITT Office at 939-2010.

## 1988

### Mini - Triathlon

If you're not quite in shape, shape up because this year's Mini-Triathlon is just around the corner. October is the month and entry information will be out in September. This years triathlon will be limited to the first 125 entries and is a great way to get the feel of one of the best athletic events sweeping the nation. For more information, or to volunteer to assist with the event, please call the Sports Office at 939-2334.

### Youth Fall Soccer

Coming soon for girls & boys grades 1-9. Registration will be taken at the Information, Ticket, and Tour (ITT) Office located in the Bennington Plaza, from August 10 through September 4. The ITT Office hours are Monday through Friday from 9:00 a.m. to 5:00 p.m. Information needed at the time of registration includes: name, address, phone number, and grade.

For fees each player must be enrolled in the Youth Sports Program. A late fee of \$10.00 per child will be charged to anyone who doesn't register prior to 5 p.m. on Friday, September 4.

Adult volunteers are needed to help defray the cost of the Youth Soccer Program. Families not wishing to assist in one of the following activities: Coach, Assistant Coach, Publicity, Snacks Leader, Referee, Field Coordinator, will be assessed \$10.00.

Evaluation on all new players (those who did not participate in Spring '87 season) must attend evaluations which will be held at Shoeffel Field from 5:00-6:00 p.m. on the weekday evenings and from 9:00-10:30 a.m. on Saturday morning.

Grades 1-3, Tuesday, Sept. 8, Grade 4-6, Thursday, September 10, Grade 7-9, Saturday, Sept. 12.

Anyone missing their evaluation may attend the Saturday session. Please call 939-2010 for more information.

## Racquetball Instruction

Here's a great opportunity for you to learn a sport, or sharpen your skills if you already play. Racquetball instruction will be geared to all levels of ability for ages 11 - 16 years old. A limited number of racquets will be available for use during the lessons. Please reserve yours when you register at the Information, Ticket & Tour (ITT) Office. Eye guards will be required for all participants. This great class will be on Tuesdays & Thursdays from 7:30 to 9:15 a.m., August 4 - 20, at the Center Gymnasium. Fees for this class are \$14.00 for active duty & retired military dependents, \$15.00 for DOD civilian dependents and \$16.00 for private citizens. For more information please call the Information, Ticket & Tour (ITT) Office at 939-2010.

## Special Activities

- Family Skate Night - Every Tuesday till August 18, 7:00 to 10:00, at the Youth Center.
- Adult Skate Night - Every Thursday till August 20, 7:00 to 10:00 p.m. at the Youth Center for adults 17 and over. Bring your favorite tapes!
- Intermediate Adult Stroke Improvement - August 18 - September 10, Tuesday & Thursday at Indoor Pool. Register at the Center Gymnasium. Call Dana Alloway for more information at 939-2334.
- Beginner Adult Stroke Improvement - Beginning September 10, Tuesday & Thursday at Indoor Pool, register at Gymnasium, for more information please call Dana Alloway at 939-2334.
- Movin' On Up Before & After School Program Registration - Register August 10 - 14 for current patrons, August 17 for new enrollment. For more information on this great program for your child call Robyn King or Noel Disdier at the Youth Center at 939-2909.
- Rock N' Bowl - Every Friday till August 28 at Hall Memorial Lanes, 7:00 to 11:00 p.m., ages 12-17. For more information please call the Youth Center at 939-2909.

## Jr. Golf Tournament

Is Golf your game? Or do you just enjoy being outside? Either way, you're bound to have fun in this tournament even if you don't know how to play golf! If you're between the ages of 8 & 17. Come join the fun August 7, from 7:30 a.m. to 12:00 p.m. at the China Lake Golf Course. Register now at the Information, Ticket & Tour (ITT) Office. Fees are \$7.50 for active duty dependents, \$8.00 for DOD civilian & retired military dependents, and \$8.50 for private citizens. Trophies and ribbons will be awarded to the 1st - 3rd place finishers in both the boys and the girls divisions. Don't sit in the house all morning and watch cartoons, do something fun in the sun! For more information, contact the ITT Office at 939-2010.

## Tip of the Month

### KEEP WEIGHT ON LEFT FOOT TO GET OUT OF BUNKERS

The biggest mistake most golfers make in the sand is trying to lift the ball out of a bunker by staying on the right foot and swinging the club at the ball. When this happens you will hit too far behind the ball and leave it in the bunker, or you will hit the middle of the ball and send it over the green. Set up the ball with your feet at about 45 degrees to the

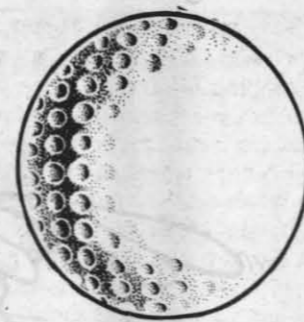
target line, your weight mostly on the left foot. Then take the club back as naturally as possible and hit down and through the sand underneath the ball while your weight stays on the left.

- Bill Garrett



## Ace of the Month Golf Tournament

Come to the China Lake Golf Course on August 1 and enjoy a exciting game of golf in this fun tournament. All the fun will begin with a 7:30 tee time. A fee of \$2.00 is required. For more information please call the Golf Pro Shop at 939-2990.



## DANCE MANIA!

Dance the night away this month as we offer you a chance to dance to your favorite music almost every night of the week! The EM Club is becoming the DANCE place to be! For the low price of \$1.00 for active duty military and \$2.00 for everyone else, this is your best bet for entertainment. Join the crowd and see why everyone is dancing their way to the EM Club!

SUN	2	Upstage	8:00 to 11:30 p.m.
WED	5	Upstage	8:00 to 11:30 p.m.
THU	6	Upstage	8:00 to 11:30 p.m.
FRI	7	Upstage	9:00 a.m. to 1:00 a.m.
SUN	9	Soundwaves	8:00 to 11:30 p.m.
WED	12	Disc Werks	8:00 to 11:30 p.m.
THU	13	Disc Werks	8:00 to 11:30 p.m.
FRI	14	Disc Werks	9:00 a.m. to 1:00 a.m.
SUN	16	Upstage	8:00 to 11:30 p.m.
WED	19	Disc Werks	8:00 to 11:30 p.m.
THU	20	Disc Werks	8:00 to 11:30 p.m.
SUN	23	Soundwaves	8:00 to 11:30 p.m.
WED	26	Soundwaves	8:00 to 11:30 p.m.
THU	27	Soundwaves	8:00 to 11:30 p.m.
FRI	28	Soundwaves	9:00 p.m. to 1:00 a.m.



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## Traveling blues

In Nevada the radiator hose split, so the radiator blew. They got my entire wallet. The Grand Canyon was beautiful until the brakes went and so did the family pet "Spivmonk". Death Valley is dull but never say they won't take anything. The air conditioning broke and they took the wife. So now everything has gone wrong. Then I hang a right into Utah and what should happen? The engine blows because I forgot to have the oil checked. So bye-bye

kids for a bus ticket back home. Next time I go on vacation with my family and the new car, I am going to the AUTO HOBBY SHOP to give my car a complete check up before I go anywhere.

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The Five Platters are coming to China Lake to play an exciting one night show at the Commissioned Officers' Club on September 25. Dinner & Show tickets are now on sale for \$20.00 which includes a tremendous 3 meat buffet & a gigantic Salad Bar or tickets for just the show without dinner, are \$12.00 per person. Dinner will be served from 6:00 to 8:00 p.m. Show time is at 8:00 p.m. For more information please call the Officers' Club at 939-3105. Ask about our discount for members.

## Shipwreck Party

On August 29 join us at the Chiefs' Club for a shipwreck party sponsored by CPOA. This great party will cast off at 5:00 p.m. and crash at 1:30 a.m. While stranded at the Chiefs' Club, we will be entertained with live music from the band "SIVA." A mongolian BBQ dinner will be served to satisfy your hunger while shipwrecked. Tickets for this night of excitement are now on sale at the Chiefs' Club and cost \$3.00. For more information please call 939-3634

## Chief's Club August

### Lunch Specials

MON	3	Sloppy Joes
TUE	4	Chicken Fried Steak
WED	5	Swiss Steak
THU	6	Sweet & Sour Pork
FRI	7	Icelandic Cod
MON	10	Baked Chicken
TUE	11	Chicken Fried Steak
WED	12	Meat Loaf
THU	13	Shrimp Fried Rice
FRI	14	Icelandic Cod
MON	17	Baked Ham
TUE	18	Chicken Fried Steak
WED	19	Turkey Ala King
THU	20	Beef Stew
FRI	21	Icelandic Cod
MON	24	Egg Foo Young
TUE	25	Chicken Fried Steak
WED	26	Hamburger Steak
THU	27	Beef Stroganoff
FRI	28	Icelandic Cod

### Dinner Specials at the Chief's Club

TUE	4	T-Bone Steak
WED	5	Steak & Shrimp
THU	6	Corned Beef & Cabbage
FRI	7	Prime Rib & White Fish
TUE	11	New York Steak
WED	12	Steak & Crab
THU	13	Roast Tom Turkey
FRI	14	Prime Rib & White Fish
TUE	18	Porterhouse Steak
WED	19	Steak & Shrimp
THU	20	Leg Of Lamb
FRI	21	Prime Rib & White Fish
TUE	25	Rib Eye Steak
WED	26	Leg Of Pork
THU	27	Spaghetti & Meatballs
FRI	28	Prime Rib & White Fish



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## Membership Night at Officers' Club

This month's Membership Night will be held on Friday, August 14. Let us tingle your taste buds as we present you with a dinner of A Little Taste from Every Corner of the World. After dinner live music will be provided for your listening and dancing. Reservations are required, so don't hesitate and make yours today! For more information please call 939-3105.

## August bulletin board at the O'Club

\* Come listen to our Piano Bar every Thursday & Friday night from 6:00 to 9:00 p.m.  
\* Game night begins at 8:00 p.m. every Wednesday night! Game cards go on sale at 7:00 p.m.  
\* Mongolian Barbeque, Friday, August 7, from 6:00 to 9:00 p.m. Reservations required by August 5. Call 939-3105 or 446-2549.

## Officers' Club Specials of the Month

### Early Bird Special-

Dine between 5:30 and 6:30 p.m., Tuesday thru Friday (except special nights) and get a Sirloin Steak dinner for only \$4.95.

### Tuesday Night

**Special-** Every Tuesday night from 5:30 to 8:30 p.m., get T-Bone Steak & Shrimp for only \$7.95. Kids under 12 eat FREE Spaghetti.

### Thursday Night

**Special-** Every Thursday night get Steak & Crab Legs with one refill of Crab for only \$7.95 from 5:30 to 8:30 p.m.

### Special Of the Month-

Enjoy something different and come in anytime and get a Frog Leg Dinner for only \$6.95.

### International Night-

Travel out of town but stay in China Lake on Wednesday nights from 6:00 to 9:00 p.m. Dinners for August are as scheduled: Aug. 5, Lasagna, Aug. 12, Egg Foo Young, Aug. 19, Fajitas, & Aug. 26, Sauerbraten.

## Officers' Club Members' swim night

Join us for Members' Swim Night from 7:00 to 9:00 p.m. Enjoy a buffet style dinner right by the pool deck. The price for this great meal is only \$3.75 for adult members, \$3.00 for children, \$5.00 for adult non-members and \$3.50 for children. The

following meals are planned for August.

AUG	6	Cook your own Steak
AUG	13	BBQ Chicken
AUG	20	Shish-ka-bob
AUG	27	Hamburgers & Hot Dogs

## O'Club August Lunch Specials

MON	3	Sidewinder Special - Fried Chicken & Lentil Soup
TUE	4	Roast Beef & Cream Of Broccoli Soup
WED	5	Meat Loaf & Split Pea Soup
THU	6	Lasagna & Minestrone Soup
FRI	7	Fish Sandwich & New England Clam Chowder
MON	10	Sidewinder Special - Hot Turkey Sandwich & Cream Of Tomato Soup
TUE	11	Chili Relleno & Chicken Vegetable Soup
WED	12	Stuffed Bell Peppers & Barley Soup
THU	13	Beef Stroganoff & Potato Soup
FRI	14	Beer Batter Fish & Manhattan Clam Chowder
MON	17	Sidewinder Special - Hot Beef Sandwich & Cream Of Mushroom Soup
TUE	18	Veal Outlet & Hamburger Soup
WED	19	Taco Salad & Navy Bean Soup
THU	20	Pork Chops & Cream Of Asparagus Soup
FRI	21	Tuna Casserole & Shrimp Bisque Soup
MON	24	Sidewinder Special - Salisbury Steak & Vegetable Soup
TUE	25	Chimichunga & Cream Of Cauliflower Soup
WED	26	BBQ Ham & Lentil Soup
THU	27	Stuffed Cabbage & Split Pea Soup
FRI	28	White Fish & New England Clam Chowder
MON	31	Sidewinder Special - BBQ Beef Sandwich & French Onion Soup

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