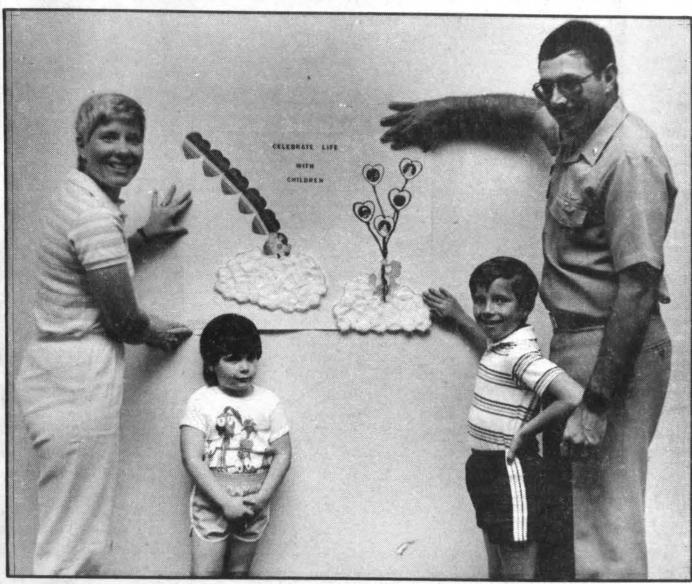
Center observes month for kids



MONTH OF THE CHILD - LCdr. Larry Schoenberg, Child nationwide and Month of the Military Child at will all be offering specials for members his wife Kathy and their children Adam and Lani put military installations. Several activities are planned in and authorized patrons during Month of the up a poster celebrating April as Month of the Young April.

- Photo by PHAA Bob Reynolds

April as National Month of the Young Child, will bring some special activities from Recreational Services Department at the Naval Weapons Center including a special children's fair set for Saturday, April 19 at NWC's Solar Park.

Also on April 19, Recreational Services is offering a special double feature at the Center Theater with "Swiss Family Robinson" and the "Wizard of Oz" on the bill.

Still another special event during the Month of the Young Child is a Parenting Class presented by Magda Gerber at the NWC Training Center on April 26. NWC Children's Center and the VX-5 Wives Club are sponsoring this event. The class, which is designed to help parents see their infant through new eyes, is limited to 50 participants. A fee is being charged to off-

For registration information, call the Children's Center staff at NWC ext. 2735 or VX-5 Wives Club members at 446-3252.

On April 30, NWC Children's Centers and Youth Center will host an open house from 6:30 to 7:30 p.m.

The April 19 Children's Fair will open with games and activities at 10 a.m. and will conclude at 2 p.m. Action planned for the day include a petting zoo, painting, movement activities and more. Children of all ages are invited to the fair.

The Children's Fair is sponsored by NWC Children's Centers and the Desert Area Preschool Association. For more information, call Debbie at NWC ext. 2926.

Also during this special month, Recreational Services Department facilities will offer special deals to parents or their

The China Lake Golf Course, Auto Hobby Shop, Youth Center, Bowling Center, Hobby Shop, Enlisted Mess, Chief Petty Officers' Mess and the Commissioned Officers' Mess

WACOM presents the Cameo Singers

program presented by the Cameo Singers, a vocal trio with piano.

They will present a salute to the music of



Peter Bouclin, Code 3665, hired at NOTS/NWC Jan. 31, 1955; estimated date of retirement, May 2, 1986.



			Peak
I	Max	Min	Gust
Fri.	92	46	28 knots
Sat.	87	58	6 knots
Sun.	88	58	10 knots
Mon.	81	50	18 knots
Tues.	80	53	42 knots
Wed.	70	48	22 knots
Thurs.	74	41	16 knots
A 11		ante ana mas	la at Ammitaa

All measurements are made at Armitage Airfield.

> **NWC HOTLINE** Integrity, efficiency program Call: NWC ext. 3636 (24 hrs.)

or call the Inspector General at: (800)522-3451 (toll free) 288-6743 (Autovon) (202)433-6743 (commercial)

Highlighting the meeting of the Women's the American people from revolutionary Auxiliary of the Commissioned Officers' times to the present. Included will be songs at 11 a.m., followed by a lunch of chicken Mess (WACOM) next Tuesday will be a of Stephen Foster, Victor Herbert, Rodgers salad Oriental with sliced avocados, a and Hammerstien, Leonard Bernstein, mandarine salad with fruit dressing and a Jerome Kern, George Gershwin and Aaron Texas chocolate cake.

The meeting will begin with a social hour

Reservations are required



Authorized members and guests are invited to disco this Wednesday from 8 to 10:30 p.m. at the Enlisted Mess.

Enjoy entertainment and a succulent prime rib dinner tonight at the Chief Petty Officers' Mess. Dinner will be served from 5:30 to 9 p.m.

Due to the reunion for CPO retirees and CPO dining room facility will be closed and the bar will have limited hours from 12 noon to 4 p.m. Saturday

Robert Fratello will talk about viewing the Comet Halley from light aircraft when the China Lake Astronomical Society meets Monday night.

Fratello's lecture, set for 7:30 p.m. at the Ridgecrest Public Library, describes an experiment conducted late last year for the purpose of assessing an airplane's usefulness in comet watching.

Also featured at the monthly CLAS guests scheduled for tomorrow night, the meeting will be a talk by Jim Roberts on personal computer program applications for archeo-astronomy and Don Bevis on design and construction of telescopes.

IWVARC has anniversary

Everyone is invited to attend the 25th the Enlisted Mess, will begin with a social anniversary dinner of the Indian Wells hour at 6 p.m., followed by a chicken dinner Valley Association for Retarded Citizens on at 7 o'clock.

The dinner meeting, which will be held at April 8 by telephoning 375-9787.

Reservations must be made no later than

Navy News on TV Booster

the NWC film "Desert Stewardship" on future. channel 49. Booster officials hope showing

Television viewers using the Indian Wells the Navy News tape on a weekly basis will Valley TV Booster system can watch Navy get the area moving toward establishment News This Week tonight at 6 p.m. The of a Public Broadcasting System (PBS) Booster will offer this programming and outlet for the Indian Wells Valley in the



NEX News

April Home and Electronics Sale at the Navy Exchange on board the Naval Weapons Center begins today and runs through April 9. Following it will be the Spring Fix-Up Sale from April 9 to April 16.

FROM:	
	PLACE STAMP HERE
TO:	

Ridgecrest hosting C/MAC awards banquet

China Lakers are being encouraged to support the China Lake candidate for High Desert Military Person of the Year when the Civilian/Military Affairs holds its annual awards banquet in Ridgecrest on April

AE3 John Linford of Air Test and Evaluation Squadron Five (VX-5) is representing China Lake in this annual competition. Petty Officer Linford was also Sailor of the Quarter for VX-5 in the fourth quarter of 1985 and competed for Navy League Sailor of the Year honors as well.

will be represented in the annual competi- from Anna Marie Bergens, Mayor of tion. Junior enlisted personnel from Edwards AFB, George AFB, Fort Irwin and the Marine Corps Logistics Depot in Barstow join China Lake in selecting NWC ext. 3511. outstanding enlisted service members to compete for this honor.

Ridgecrest and the Military Affairs Committee of the Ridgecrest Chamber of Commerce are hosting this annual event. It will be held in Joshua Hall at the Desert Empire Fairgrounds. Tickets are now on stallations. A large turnout of supporters

Ridgecrest, by calling her at City Hall, 375-1321. Reservations may also be made by calling the NWC Public Affairs Office,

Capt. K. A. Dickerson, NWC Commander, urges China Lakers to support not only the local sailor seeking this honor, but all military personnel selected to represent enlisted members from their respective in-

All five military bases in the high desert sale at \$25 per person. They are available from the host community is expected again

Karen Keesling, Principal Deputy Assistant Secretary of the Air Force (Manpower, Reserve Affairs and Installations) has been scheduled as the guest speaker for the April

The prestigious C/MAC Military Person of the Year Award is sponsored annually by the Lancaster-based council. Its purpose is to aid the military and its people in the private business and social sectors.



Go airborne through China Lake Flying Club

Local military personnel, active reservists, civilian Navy personnel and their dependents have a superb opportunity to hone their flying skills (or to learn to fly), thanks to the China Lake Flying Club.

The purpose of this and other Navy flying clubs is to provide all eligible personnel an opportunity for wholesome use of leisure time in the interest of education, welfare, recreation and morale.

The club leases five aircraft (two fourplace Cessna 172s, a four-place Cessna 172XP, a two-seat Cessna 150, a two-place Beech 77) - and has one two-place Navy T-34B aircraft on loan. These aircraft can be rented by club members for \$20 to \$40 per flying hour - much less than equivalent aircraft rented privately.

Also offered at a dramatically reduced price for club members is flight instruction. Currently seven of the club's 79 members are qualified instructors who can take club members not only through the requirements for a private license, but also commercial and instrument ratings. Cost of this is a mere \$12 per hour.

Most of the 1,500 flying hours logged each year by club members, however, don't involve instruction - they involve recreational use of the aircraft. Navy regulations forbid club members from using the aircraft for commercial flights, although they are permitted to allow their passengers to share the actual cost of a flight.

When the aircraft are flown, there is a minimum number of flying hours that must be performed each day, and a maximum number of days for which each aircraft can be reserved. On a case by case basis, this mitage Field are from 6:30 a.m. until 10:30

Anyone wishing to join the China Lake Flying Club must be approved by the Board of Directors, and then must pay a \$75 initiation fee. When a club member leaves, \$50 of that fee is refunded. Dues are \$20 a month. Club members generally meet only once a year; the primary purpose of that meeting is to elect a board of directors.

This year's membership includes 24

military personnel, of which four are active duty enlisted personnel and 9 are officers clude Patricia Hoagland, vice president; (the others are dependents). Fifty-five club members are civilian employees of the Navy or their dependents.

Anyone interested in joining the China Lake Flying Club or in getting additional information about the club should contact a member of the board of directors.

Currently the president is John Zelmer,

Sheldon Simonovich, operations, NWC ext. 5848; Wayne Geyer, safety, NWC ext. 3326; Ronald Gotzler, treasurer, NWC ext. 5572; Robert Lyons, secretary, NWC ext. 3326: Max Lawson, maintenance, NWC ext. 5193; and LCdr. Karl Klinger, Command Safety Liaison Officer. Information can also be obtained from Mark Bakes, 446-4172 or NWC ext. 5094.



FLYING CLUB - LCdr. Karl Klinger (left) and Wayne Deyer are among the China Lake Flying Club members

based at Armitage Airfield. The club currently boasts 79 military and civilian members on its - Photo by PHAA Bob Reynolds

Blues lead NWC observance of aviation birthday

Seventy-five years of Naval Aviation will be celebrated when the famed Blue Angels perform at the Naval Weapons Center on Sunday, April 27. The Blues, formally known as the Navy's Flight Demonstration Team, will take to the skies at about 2 p.m. that day. Gates to the airfield swing open at 10 a.m. and air show action gets underway at 1 p.m.

NWC will join the Navy in celebrating this aviation milestone by inviting area residents to be guests aboard the Center for the air show and static displays of aircraft and NWC technology.

The Blue Angels feature precision maneuvers developed in practice and actual combat by Navy and Marine Corps pilots. The Blues bring combat tactics down to treetop level for easy viewing by specmance, many vintage aircraft, now in private hands, will be displayed and take part in aerial demonstrations. These aircraft will represent the changes in Naval aviation over a part of the past 75 years.

A representative of each type of aircraft in NWC's current inventory will be included in static displays at the airfield, including the newest attack aircraft, the F/A-18

Aircraft from Air Test and Evaluation Squadron Five (VX-5) on display will include the AH-1 Cobra helicopter and AV-8B

One unique aircraft on display will be the last flyable B-47 Stratojet, once a mainstay of the Strategic Air Command. This B-47 has been restored by volunteers from China flight from Armitage Airfield to Castle efforts. AFB (near Merced) later this year.

Also expected to be part of the air show are flight demonstrations by Northrop Aviation's F-20 Tigershark and a privately owned T-38 Talon trainer. The Coors Silver Bullet, a small jet-powered aircraft, is also expected to perform along with demonstrations by Joann Osterud Nottke with a little Stephens Akro.

Hangar Three will be filled with exhibits of technology developed at NWC and put to use by the Fleet. Various contractors are also expected to display weapons and technological hardware.

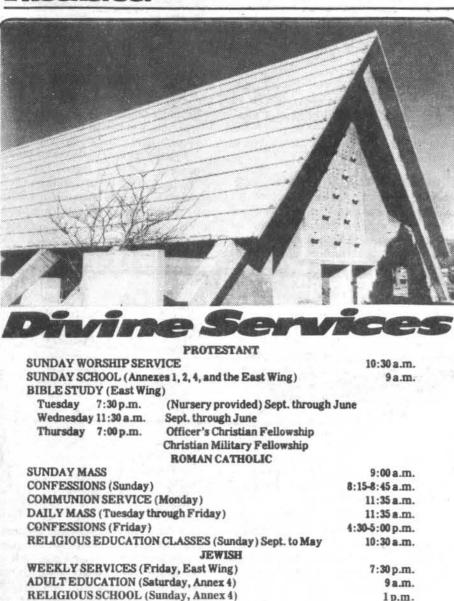
At least 13 community service organizaat Armitage Airfield, near Hangar Two. so

In addition to the Blue Angels perfor- Lake and the Castle Air Force Base Air visitors can take advantage of their offer-Museum. It is expected to make one final ings and assist the groups in fund raising

> On Saturday, April 26, members of the Blue Angels will be guest of honor at an open reception scheduled for the lanai at the Commissioned Officers' Mess. This is the only social gathering for The Blues. There will be a \$6 per person charge to cover costs, and a no-host bar. Dress will be informal.

> Visitors who have reserved seats for the air show must be in place by 1 p.m., or those seats will be made available to the general public. Handicapped parking areas are available this year.

Be sure to wear comfortable clothing and tions will have food and drink booths set up shoes, and come prepared for a day of



Chaplain J. Milton Collins, Capt., CHC, USN

Chaplain A. J. Smith, Cdr., CHC, USN

Chaplain Jason E. Knott, LCdr., CHC, USN

Blood bank needs donors for Tuesday's drawing

Spring is a good time to donate the gift of medical history form before giving blood Houchin Blood Bank on Tuesday, April 8 from 1 to 6 p.m. The blood bank will again set up at the Ridgecrest Elks Lodge, 201 E.

No appointment is needed and donors need only allocate about an hour of their time to make this important gift.

Dorothy Jackson chairs the blood bank for the sponsoring Ridgecrest Emblem Club. She notes anyone in reasonably good health between the ages of 18 and 66 can give blood safely.

Donors are asked to complete a simple

life in the form of a blood donation to the Donors should be free of flu or cold symptoms for at least two weeks and know what types, if any, of medication they are taking, since some may disqualify them.

> Anyone volunteering to give blood should not eat fatty food or dairy products within three hours of the time they plan to come to the Elks Lodge

Donations can be designated for specific individuals or earmarked for the general fund maintained for Indian Wells Valley residents. Donors can give blood up to five

New rules require shots for children entering school

has issued a directive stating children can before registration are three doses of polio, no longer be registered for school without an up-to-date immunization record.

This means parents or guardians no longer have the option of filling in and sign- for any of which the last dose was given being the California School Immunization

Kern County Health Department at 375-5157 if they have been utilizing the clinics for immunizations, or to see their private physicians to obtain complete records prior to kindergarten registration which begins

four doses of DPT, and one dose each of measles, rubella, and mumps. An additional dose of polio and DPT are required fore the second birthday; and an additional dose for measles, rubella, and mumps for Parents are being advised to contact the any of which the last dose was given before

> A child cannot be registered for kindergarten unless immunizations are up to date or has a written exemption from a

First job proves to be right for Brian Barbaris

1 p.m.

It didn't take Brian Barbaris long to find a real home when he began his Naval Weapons Center career. On board just over a year now, Barbaris recalls he cut short his junior professional tour in order to take a permanent position in the Engineering Department's Systems Safety Branch. A job, by the way, he says he enjoys tremen-

A New Jersey native, Barbaris has now found a home in the desert. He spent six years in Tucson, Ariz. getting used to the desert, meeting his wife, Simone, and completing work on a bachelor's degree in

When it came time to get a full time career type position, he was attracted to China Lake by the desert as well as the job opportunities available here.

Currently Barbaris is a safety engineer in support of the cruise missile program. It is, he notes, a very interesting and very month old son, Chase, Barbaris can be challenging job. "I really like the diversity found playing fast pitch softball, or any this job offers," he commented. "We're other sport he can. And, when all else fails, missile program," Barbaris added.

Safety engineers are pioneers in a rela- He notes he and wife, a native of the tively new field, a field still working to Netherlands, just bought a house in Inbuild a base. Barbaris notes there is a real yokern. "We're really happy here," Barchallenge, not only on the technical side, baris concluded.

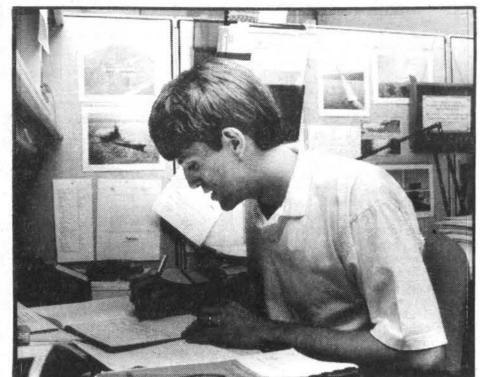
but in going to the program managers and telling them safety concerns to be address-

He said it was important to build a good relationship with program offices even if safety engineers had to sometimes be bearers of news that could cost programs

Barbaris picked up his initial training as an electronic technician with the U.S. Coast Guard. After completing his enlistment he headed for Tucson and a short stint in public relations before going technical

While attending the University of Arizona on the GI Bill, he also worked as a golf caddy (where he met his wife), played in a blues and rock band and took part in sports

Today, when not playing with their 10sort of system engineers for the cruise he'll watch all the sports he can on televi-



SAFETY ENGINEER — Brian Barbaris makes notes of safety issues in his role as a safety engineer for the cruise missile program at the Naval - Photo by PHAA Bob Reynolds Weapons Center.

Rabies clinics are offered

fer rables vaccination and dog licensing 5 p.m. at the Girl Scout Hut. The next day, clinics in three locations in the Indian Wells Saturday, the clinic will set up at the Kern Valley later next month. Clinics will offer County Fire Station in Inyokern from 9 rabies shots at \$3 each and licenses for dogs a.m. to noon. The final clinic is planned owned by residents of the unincorporated from 2 p.m. to 4 p.m. at the Ridgecrest area of Kern County will be \$10 each. Senior Center on Warner Street. Licenses for spayed or neutered animals

Kern County has been determined to be a rabies area by state department of health officials. The disease, which can be fatal, can be contracted by unvaccinated animals after being licked on an open wound or bitten by a rabid animal.

The Naval Weapons Center will host the

Kern County Health Department will of- first clinic, set for Friday, May 16 from 2 to

NWC HOTLINE Integrity, efficiency program Call: NWC ext. 3636 (24 hrs.) or call the Inspector General at: (800)522-3451 (toll free) 288-6743 (Autovon)

(202)433-6743 (commercial)

Sand fun at dunes

Less than 150 miles from China Lake lies one of the largest sand dune complexs in the United States. The Eureka Dunes cover more than 4,000 acres in the remote Eureka Valley. Tallest of this dune complex towers more than 700 feet above the valley floor.

Looking more like a small mountain range than typical sand dunes, the Eureka Dunes are considered an environmentally critical area by the Bureau of Land Management which administers the area as part of the California Desert Conserva-

Attracting visitors from throughout California, this massive dunes complex can hide a large number of people in its folds and valleys, allowing the feeling of isolation when on one ridge line and none of the other visitors are visible.

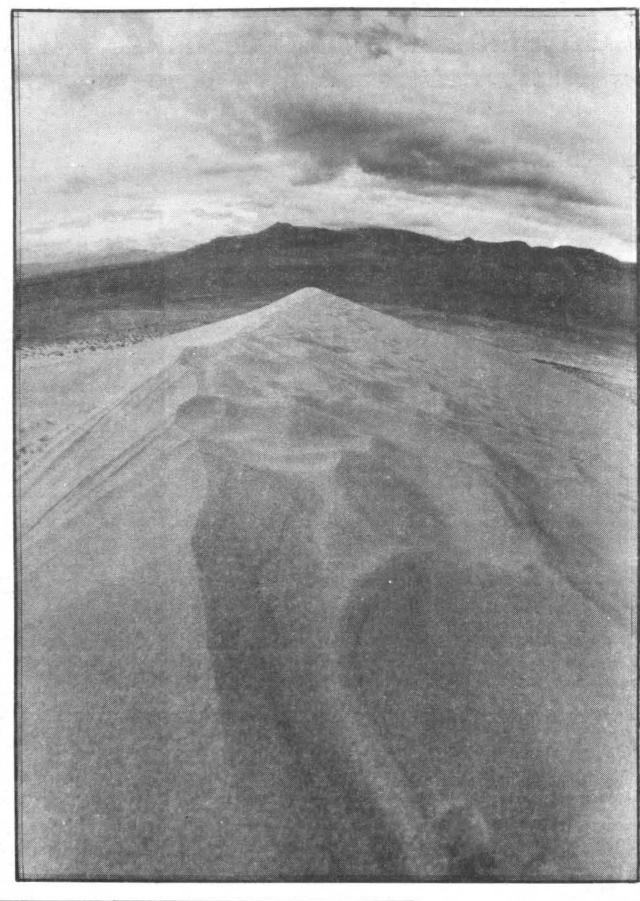
The prime visiting season is coming to an end this month. The remote Eureka Valley must be reached by dirt roads east of Big Pine. During several winter and spring months, BLM rangers will conduct guided hikes of the dunes complex one weekend per month.

Picnics, desert photography, sand castle building and riding down the steep slopes on a waxed sand board are just a few of the many uses of these

No motor vehicles are allowed on the dunes, or on the dry Eureka Lake bed surrounding much of

The Eureka Sand Dunes are about 45 miles east

GIANT DUNE - From atop one of the taller dunes in the Eureka Dune complex, a wide-angle lens was used to take in both the dune crest and the mountains surrounding this unique desert valley. Visitors may have to drive through dust, snow, rain or mud to reach the remote valley, but the dune complex is well worth the effort for a photographer, for kids on sand boards or for anyone who appreciates nature.





LONG HIKE — To really enjoy a trip down a sand dune on a waxed sand board, it takes a long, uphill hike to the dune's crest. Man and dog can enjoy this quick trip down, but if they want a repeat performance -

it's back up the hill they trudge, board in hand and a little slower than their first time up. The dune complex is massive and visitors can easily forget they aren't the only ones here once the others are on the other side PHOTOS AND STORY BY Steve Boster

Captain K. A. Dickerson NWC Commander

B. W. Hays Technical Directo Denny Kline

Mickey Strang

Steve Boster PH2 Rick Moore PHAA Bob Heynolds Staff Photographers Official Weekly Publication Naval Weepons Center / China Lake, California 93555-6001 (619) 939-3354 or 939-3355

Deadlines: News Stories-Tuesday, 4:30 pm / Photographs-11:30 am

The Rocketeer receives American Forces Press Service material, All are official U.S. Navy photos unless otherwise dentified. Printed weekly with approprieted funds by a commercial firm in compliance with NAVSO P-35 revised May 1979. Office at Nimitz and Lauritsen. Informa-tion published in the Rocketeer does not necessarily reflect the official view of the Department of Defense, Information in the Rocketeer is authorized for public release by the Naval Weapon's Center Public Affairs Officer, Code 003.

Youth soccer league action ends second week

In their second week of spring play, Youth League Soccer had a full schedule of games. Some teams did not turn in score sheets by the Rocketeer deadline and are not covered in this week's paper. Coaches are urged to get their score sheets turned in to Recreational Services right away.

Division One Fury 4, Apollos 0

Two goals from Daniel Kelling along with solo goals by Jeffrey Janson and Ryan Lopez made it easy for the Fury. David Estis played a solid game in goal, making several saves. Overall good team play keyed the win.

Express 8, Eagles 0

Vasken Haroutunian ripped the Eagles with four goals while Chris Potten added three and Michael Grise scored once in the lopsided contest. Kevin King was credited with a strong performance in the win.

Rowdies 7, Owls 0

Behind Neil Covington's four-goal attack, the Rowdies were easy winners. Louis Moore added three goals to complete the romp. Melissa Murphy and Kyle Gentry were also strong performers in the game.

Chiefs 1, Cobras 1

Despite playing two players short, the Chiefs held the Cobras to a tie contest. Michael Hobson had the only goal for the Chiefs who needed a real team effort to pull Cosmos 6, Drillers 1

Four players, led by Chris Thornberry's three goals, accounted for the Cosmos scoring. Brett Juskalian, Andrew Grabowski and Grant Barnett did the rest. Jeff Caruso notched the only score for the Drillers while Kenny Carr and Brandon

Lilly were solid performers. Aztecs 3, Earthquakes 1

broke a 1-1 tie in the second half with two goals by Sean Williams. Miles Ross added the other score. Justin Ward and Mike Koelsch also had strong games. Kevin Campbell had the lone Earthquakes goal in the rugged defensive contest.

Timbers 1, Sting 1

Stingy defense by the Sting was enough to thwart shot after shot by the Timbers. Mike Frederick snuck the only goal by the defense. Tony Praccalla and Bryan Lilly were top Timber defenders. Ryan Flores

with an assist from Richard Jones scored for the Sting. Danny Kambe and Philip Nave were defensive stars along with Andy Lopez and Chris Blevens.

Strikers 2, Sockers 1

Damon Kelling and Joe Mechtenberg did the scoring for the winners while Tom and Joe Ernst, Brandon Rivera, and Dustin Haynes did the rest. Hayden Wilson was the Sockers goalie with a strong showing, but Fielding only seven players, the Aztecs they were led by the play of Mark Castillo and Jimmie Cribb. Castillo had the only goal, on a penalty kick.

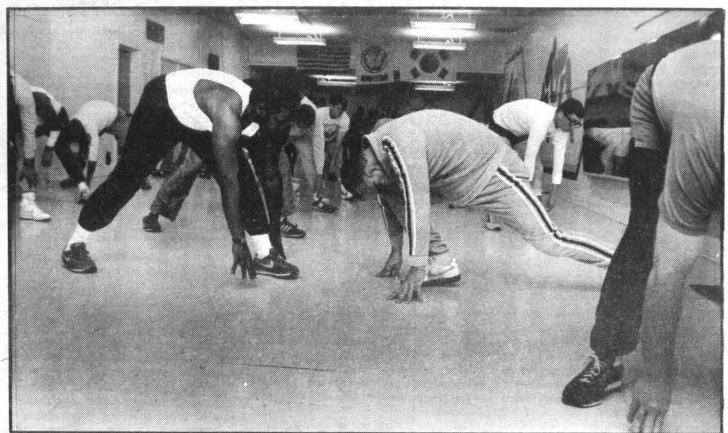
Blizzard 5, Lancers 2

The Blizzard squad was paced by a twogoal effort from John Trahey in their easy win. Christopher Bjornstad was the goalie for the big win. Despite some solid play, the Lancers couldn't keep up with the Blizzard. Ogren and Wildren scored one goal each for

> **Division Three** Tornados 4, Diplomats 0







PHYSICAL CONDITIONING — Sailors assigned to the Naval Weapons Center are working out each morning as they prepare for the Navy's physical fitness testing

scheduled later this month. Such testing is now required quarterly as the Navy puts a continued emphasis on sailors staying physically fit.

Scorpions winless in Mission Bay Classic

Three strong performances failed to pro- their coach, a case of still not being ready duce a victory, but did bring a pair of ties to face top-notch club soccer with a team against some very strong competition as that has had only limited high school expethe Scorpion under-19 soccer team took rience. part in the annual Mission Bay Soccer Classic last weekend.

The Scorps lost, 4-0, to Fram Fury of Torrance, the same team went on the capture the Classic championship this year. In their second outing, the Scorpions played some outstanding soccer in holding La-Jolla's Nomads to a scoreless tie. They again played excellent soccer in their third and final clash, but had to settle for a 1-1 tie against Bakersfield.

Coach Karl Kauffman said the Fram game was not as one-sided as the 4-0 score would imply. For the Scorps it was, said Scott Piri got the Scorps back in the thick

LaJolla, fielding essentially the same team that won the national under-16 championship last year, is seldom beaten, especially at home.

In the scoreless battle, Jason Cherry made a couple of game-saving stops when the Nomads penetrated the otherwise strong defense. Neil Johnson, Roger Smith, Brian Hayes and John Placencia were keys to the defensive effort put forth in the clash.

Bakersfield struck first, breaking the scoreless tie midway through the second half of the final match of the weekend.

Advanced lifesaving class offered

Swimmers can take an advanced lifesaving class at the NWC indoor pool from April 12 to May 14 according to Craig Ulrich, ment's Sports Branch. Class sessions are pools this summer.

Wednesday nights.

This class is required for anyone interhead of Recreational Services Depart- ested in working as lifeguards at Center

Sulek has ace

For the second time this year, a China Lake golfer carded a hole-in-one while playing the China Lake Course. This time the honor went to Walt Sulek on March 26. Walt recorded his ace on the par three

GBU, Dinke lead

eighth hole, hitting a seven iron.

After one week of play GBU and Dinke lead their respective leagues in Intramural Volleyball at the NWC Gym. Nineteen teams are taking part in the two leagues with games played starting at 6 p.m. Monday through Thursday.

GBU's 3-0 record is best in the "A" League while Dinke is 2-0 in the "B" League. Mixed Co. is second with a 2-0 the ITT office between 9 a.m. and 5 p.m. mark in "A" action while CCCC is 2-1 in Monday through Friday or call NWC ext. "B" competition.

Chris Marshall, who also plays on the Scorpion club team, led the Diplomats, but it wasn't enough, they ran out of gas in the second half and fell to the Tornados. Bryan Auld hit two goals in the second half while Matthew Bullock and David Fowler had single goals for the winners.

Roughnecks 3, Surfs 1

Behind Pat Garrison's two goals the Roughnecks were easy winners. Scott Becker had the ony other goal for the winners. Thomas Watt hit paydirt for the Surfs. They also got good play from Jeff Bradley, Fletcher Nelson and others.

Kicks 6, Sounders 3

Thanks to three goals from Charles Eberhart and two from Ron Lee the Kicks won big. Steve Lundwall added the final score. Jerry Price and David Miller keyed the defense. Florian Ghiurau had a good defensive game for the Sounders while Loren Letsche scored two of the three goals. Jon Rowe had the other score.

Whitecaps 5, Rougues 1

Since the Rougues had only six players, the Whitecaps shared some of theirs to get the game in. Todd Henderson, Derek Lindsey, Randy Marsh, Tim Seufert and Aaron Crook all scored for the winners. Aaron Drybread had the lone Rougues goal while Chad Bays and Aaron Bradley played

China Lakers take second

Women's volleyball players from China Lake ended up in second place after last month's Mojave Desert Inter-Service League championships hosted by the Naval Weapons Center. The China Lakers were second to tourney winner Vandenberg AFB.

China Lake's team battled its way through the losers bracket into the championship clash. They opened competition with a loss to Norton AFB. Next the China Lakers eliminated Ft. Irwin with an easy 15-4, 15-2 win. Later they retired the Norton AFB team that had edged them in opening round play, winning two straight games,

It was a convincing morning win against George AFB, 15-4, 15-9 that sent China Lake women's volleyball team into the championship contest.

The title game was a rematch of the 1985 championship clash and Vandenberg's women defended their title with a 15-4, 15-9 triumph in 1986.

Slo-pitch set

Plans have been made for an organizational meeting to start an Intramural Slow-Pitch Softball League. The meeting is set for 5 p.m., April 16 at the Center Gym. Team representatives and interested again when he drew a penalty kick and softball league season starts May 5 and Roger Smith converted the kick to knot the there is an April 30 deadline for entering a

For more information call the Sports Of-

Dodgers trip

NWC Recreational Services Department is providing a trip to see the Los Angeles Dodgers vs. San Francisco Giants baseball game on Sunday, April 13.

The itinerary will include leaving the NWC Information, Ticket and Tour Office at 8 a.m., the game beginning at 1:05 p.m.. and arriving home at 8 p.m.

The cost of the trip is \$17.50 per person, which includes entry to the game and transportation. A free Dodger baseball will be given away to all youngsters 14 and

For registration and information come by 2010. Registration ends April 19.



April 4, 1986

Civilian employee - I had a bike stolen in the early part of November; and it was not reported to the Ridgecrest police. I think this would be a standard operating procedure for that type of theft. Thank you.

The Police Division is grateful for pointing out a shortcoming in the sharing of information with other police agencies. It is now a policy for the Ridgecrest Police Department and China Lake Police Division to share all data on lost, stolen, or found bicycles.

It should be noted that the Center police recently started a campaign to encourage all Center bicycle owners to register them.

Additionally, the Police Division is in the process of having a computerized criminal justice information network installed. This statewide system will greatly assist the Naval Weapons Center Police in acquiring information on missing

Retired Military - Why are they opening the Navy Exchange MiniMart to civilians? There are more than enough MiniMarts down in Ridgecrest to support civilians. I see no reason that civilians should be allowed this privilege for the MiniMart which is for military or retired military.

Our request to establish a separate on-base convenience store for civilian employees occupying base housing was denied by higher authority in August 1984. It was felt that unwarranted competition of resale outlets would be counter-productive to the overall effectiveness of providing adequate Morale, Welfare and Recreation (MWR) services within the Navy and could have an adverse effect on MWR program. We were encouraged to pursue authorization through the chain of command allowing civilian employees limited shopping privileges in the Navy Exchange MiniMart.

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 to submit questions to this column. Such queries must be in good taste and pertain to matters or interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. K. A. Dickerson. 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

Skipper salutes manager

Substantial and far reaching impact on Resources Manager for more than six the approval and management of computing and information systems at the Naval Weapons Center brought the Commander's Award for Mission Support to Bruce Wertenberger this week.

Capt. K. A. Dickerson, NWC Commander, made the presentation at the start of Monday's Commander's Meeting, saying Wertenberger had done "a tremendous job" over the past year. The Skipper called Wertenberger "a driving force behind the authority the Center has in ADP procure-

The Center now has approval authority on systems up to \$1 million, an achievement the Skipper said Wertenberger deserves much of the credit for.

In a letter of nomination, William Ball, head, Information Services Group (Code 14), said Wertenberger had been responsible for implementing Center policies and instructions regarding automated data processing while serving as ADP

In addition to serving as ADP Resources Manager, Wertenberger managed the Information Resources Management Office responsible for keeping track of the hundreds of ADP procurement requests. This office also maintained an inventory of some 1,200 installed ADP systems with some 9,000 components.

He served as the first (and only) chairman of the Center's Executive ADP Council and later became executive secretary of what is now called the Computing and Informations Systems Executive Council.

Ball said Wertenberger had done "an outstanding job in supporting the Center's mission" and had provided outstanding leadership as ADP Resources Manager.

Commenting on the award, Wertenberger said it was a pleasure to work for a command that appreciated the efforts of functions such as ADP resources management.



COMMANDER'S AWARD - Bruce Wertenberger received the Commander's Award for mission support from Capt. K. A. Dickerson.

American Heritage Week honors the differences

A wide range of events have been planned to enable all China Lake personnel to participate either by representing their own cultural heritage or learning of the heritage of others. This week replaces the special interest weeks that had formerly been sponsored by the Equal Employment Opportunity Office.

In preparation for the week, a poster contest will be ongoing from today through May 2. All China Lake personnel and their dependents are invited to submit posters on the theme of American heritage to the EEO office, Code 093, in the Personnel Department. Posters should be no larger than 16 by 20 inches and can be in any medium. To be eligible for judging, they must be at Code 093 by close of business on Friday,

Winners of the poster contest will be announced on May 12, and the winning posters will be displayed in the headquarters building and Michelson Laboratory.

The week's events begin with a reception on the lanai of the Commissioned Officers' Mess on Monday, May 19, from 5:30 to 8:30 p.m. The Dixieland Jazz Band will entertain during a social hour, then following entrance of the color guard, three different cultural groups will provide entertainment before winners of this year's EEO awards are announced.

Tickets for the reception, which are \$5 per person to cover the cost of hors

Honoring the myriad of cultures that d'ouevres and other expenses, can be obmelded to create today's America, the tained from department EEO repre-Naval Weapons Center will sponsor Amer- sentatives and from EEO committee ican Heritage Week from May 19 through members and representatives. Tickets must be purchased by May 14.

The other events of the week are scheduled to take place on the headquarters lawn, predominantly during the noon hours.

Highlighting Tuesday's celebration will be a costume day and sale of ethnic foods by different groups. To sign up for a booth call Will Carey at NWC ext. 7437.

All Center personnel are invited to wear costumes depicting their own ethnic background on that day (including military

Wednesday will feature sporting events. with a fun run (co-sponsored by the Overthe-Hill Track Club), a living chess game with the pieces being costumed participants, and other sports events. Volunteer chess pieces should call Julia LeBlanc at NWC ext. 2577.

Thursday multicultural musical events include demonstrations of dancing and music from a variety of nations of the world. Food on both Tuesday and Wednesday will be sold at the headquarters lawn for anyone who chooses to munch while

Culminating the week will be a fine arts and crafts show on Friday, with the Enlisted Mess arranging for sale of fruit and cheese at the headquarters lawn.

Throughout the week, United Nations flags will be on display at the headquarters lawn in addition to being on the lanai of the COM during the reception Monday evening.



Cleanup operation readied for Center housing area

Residents of the Naval Weapons Center's of something, April 12 is the day to get it Housing Area can take advantage of a done. one-time "clean-up" operation planned for Saturday, April 12 from 8 a.m. to 4 p.m.

special trash pick up for that Saturday. to Holford. Dwight Holford, Housing Division head, idents is needed to make this special cleanup a real success.

Residents are asked to look around their ter. This would, note housing officials, be a great time to clean out the garage, get rid of old, broken toys, even toss out those unniture. If housing residents want to get rid a good environment for families.

Trash should be set on the sidewalk or where it is normally picked up. Everything The NWC Housing Office has arranged a set out that day will be picked up according

Housing Division officials also want to said cooperation from all housing area resthrough the Self-Help Store. Lawn tools, grass seed, fertilizer and other supplies can be obtained at the Self-Help Store operated homes and their yards for trash and clut- by the Housing Division and located in the housing office building.

Housing officials ask everyone living on board the Center to help make sure the wanted and unneeded car parts or fur-housing area is a pleasant place to live, and

Balloons join aircraft flying Center skies

Although the skies above the Center have ordinarily been used as a medium for aircraft flight, they are also ideal for hot air ballooning. Considering that even today the cost of propane for a hot air balloon runs about \$10 per hour, the advantages of using a balloon where one can be used are

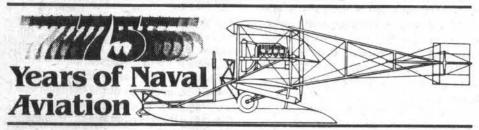
The first hot air balloon was introduced at what was then the Naval Ordnance Test Station is the early 1960s, when Jim Craig, a friend of Ed Yost (known as the "father of hot air balloons") felt that a tethered hot air balloon would be of immense use in testing Briteye, a flare designed to illuminate targets at night.

As an aside, both Craig, the Center's first chief balloon pilot and Duane Powers, who currently holds that job, have international reputations as balloonists and have competed extensively both in national and international balloon com-

Most of the work that has been done at China Lake using the hot air balloons has been done with the balloons tethered at one spot with the balloon itself being at an elevation of 3,500 feet or less.

The balloons have been used extensively for a variety of projects during the past two decades and have proven their worth to the Center and the Navy.

Currently the Center has several hot air balloons and several gondolas for use in a variety of tests. The two newest balloons include one 55 feet in diameter and holds 74,000 cubic feet of hot air when inflated, and another 77 feet in diameter that holds 210,000 cubic feet of hot air. Inflating



Navy trains new managers with a progressive program

As a result of its Civilian Financial Management Career Program, the Navy has developed a core of financial managers with broad experience in several facets of resource management to meet staffing

The two-year program was established in 1972 by the Comptroller of the Navy. Personnel in CFMCP are trained at Navy establishments throughout the country. Currently, a budget analyst and an accountant are in training at NWC; they wil become part of the Center's staff or sucessfully completing their training if they so choose.

The program ensures that each person enrolled gets on-the-job training, cross training in resource management jobs rotational assignments to field and higher echelon organizations, and academic train ing. Professional fields include those for budget analysts, accountants and auditors.

Budget analysts take part in formulating budgets, presenting these with supporting materials in budget reviews and putting budgets into effect. Applicants for such programs need to have logical minds, good writing and oral skills, and research ability joined by skills required to use the results of such research.

Accountants maintain continued fiscal

control of projects, either individually or as team members. They set up and maintain accounting systems and procedures and ensure that these conform to proved accounting standards

Budget analyst applicants, if they are not college graduates (in any discipline), should have relevant experience. They can apply through the Merit Promotion Pro-

NWC graduates of the program are currently taking leading management roles at commensurate grade levels (DP-3 and

Requests for information can be directed to the NAVCOMPT Trainee Program Coordinator, Elaine Wunderlich, Code 08.

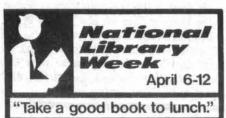
Those wishing to apply should send a completed Standard Form 171 and a copy of their college transcripts to Comptroller of the Navy, Office of Career Management, Code NCF-3, Crystal Mall 3, Room 119, Washington, D.C. 20376-5001.

Applicants for auditor and accountant positions must also write to Office of Personnel Managment, Staffing Service Center Examining Office, Box 9800, Macon, GA 31298-2699, to ask for Accountant/Auditor application forms. When these are submitted, applicants can be placed on appropriate registers.

Good deal from Rec Services being held at the Commissioned Off Mess starting at 5:30 p.m. on April 15.

Summer fitness time is nearing and NWC Recreational Services Department has a deal for China Lakers they may find hard

Just buy 10 diet specials at the Commis-

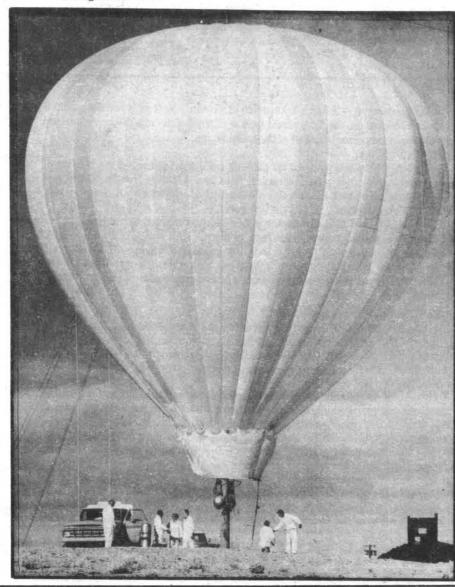


sioned Officers' Mess, Chief Petty Officers' Mess or the Enlisted Mess during April and May then receive three free lines of bowling at Hall Memorial Lanes.

Patrons need only ask the cashier for the diet special coupon and have it signed and dated by the cashier each time they purchase a diet special. When the coupon is filled out, take it to Hall Memorial Lanes and enjoy three lines of bowling.

The diet plates and the bowling should help China Lakers get into better "poolside" shape for the long hot summer

the first takes about 40 minutes, while the larger one takes about an hour and 15 minutes. Both the balloons and gondolas can be packed into the back of a pickup truck for





China Police Reports

China Lake Police Officers investigated a report of a video cassette recorder stolen

Unknown persons removed a taillight assembly from a Navy pickup truck while parked in the public works parking lot.

CLPD officers responded in Michelson Laboratory when a contractor employee was injured in a work accident. The worker was taken to Ridgecrest Community Hospital with an injured wrist.

Juveniles riding on sidewalks with skateboards brought a complaint from Bennington Plaza personnel. The juveniles were gone when officers arrived.

At about 3 a.m. Tuesday, a false fire alarm was turned in by an unknown person.

Officers reported a broken water line on Parsons at about 1 a.m. Tuesday.

A sailor was taken to the Branch Clinic for treatment after an accident at the Galley Annex at Armitage Airfield.

China Lake officers were called to Pierce School in a keep the peace situation when parents argued over custody of their

Officers arrested a 13-year-old juvenile

for theft of a skateboard. The parents took

Reception for new arrivals

who were hired just before the hiring freeze Murphy, Michael P. Occhionero, Bryan J. and military officers new on-Center will be honored at a "Welcome Aboard" reception being held at the Commissioned Officers'

New Junior Professionals being welcomed include Michael J. Adkins, Brenda L. Allen, Christopher Antonsen, Ferguson Ayers, David H. Belt, David J. Blackburn, Debra L. Borden, Harold Davis, Daniel L. Decker, Charles Ensign, Jack D. Folk, Charles E. Frankenberger, Kim A. Frankenberger, Albert T. Gabaldon, Paul M. Gordon, Linda M. Havnes, Wesley C. Hensley, Dr. Peter Herbine, Michael J. Hogan, Dr. Robin Hunt-Kramer, Clyde A. Hunter, John A. Kapeles, Michael R. Karst,

Charles Keyes, and Eid A. Khatib. Also being welcomed on-board are Dr. Michael Kramer, Ross N. Kruse, Anthony not required.

Civilian Junior Professional employees O. Lee, Gordon R. McClellan, Karen J. Ogilvie, William M Plummer, Alvin L Quintana, Scott D. Rogala, Clay E. Schonhoff, Robert C. Seavey, Michael J. Sim, David M. Smallwood, Scott Swanson, Duke H. Tran, Huu F. Tran, Chau B. Truong, Richard L. Urbanski, Duc T. Vu, and Arlynn W. Wilson.

> Military officers being welcomed aboard include Capt. K. Eugene Allen, Cdr. Frederick C. Lentz, Jr., LCdr. Dorothy Michael, LCdr. Donald M. Burks, Lt. William B. Binnie, Lt. Kenneth D. Bowersox, and Lt. Edward J. McCool.

A donation of \$3 is being asked from everyone attending the reception, except the honorees and their spouses, to offset the cost of the hors d'oeuvres. Reservations are



GRADUATING CLASS — Cdr. J. A. Thompson, head, Military Administration Department, (far right) was on hand to congratulate the 28 sailors who completed the

Leadership Management Education Training class at the NWC Training Center in February.

Leadership graduates for NWC

Twenty-eight sailors from China Lake completed a Leadership Management Education Training class during February. The 28 sailors were all second and first class petty officers at China Lake.

The two-week training session held at NWC's Training Center, was conducted by members of a Naval mobile training team from the Navy Amphibious Base at Coronado. It was the first of three such training sessions planned for NWC this year.

Sailors received instruction in supervisory skills, effective leadership skills. communication skills and how to be an effective counselor of enlisted personnel.

SH1 Madison Bryson, Educational Services Officer for the Military Adminsitration Department, said the class was designed to teach supervisory first and second class petty officers how to be effective leaders and supervisors. They are encouraged to use the skills honed during the two-seek session on the job to the benefit of

Sailors continue carrying 'dead horse' around

"In the olden days, merchant marine and Navy men were allowed to draw advance pay when they were going on long cruises." said a spokesman for the Naval Historical Center in Washington, D.C. "They called such payments a 'dead horse,' possibly because the money was spent before it was

"The man had to work several months without earning any more money, so he might as well have spent it for a dead horse," he said. "When the man had worked off the money, it was customary to hold a ceremony in which a crude horse was made out of a barrel and odds and ends of boards and canvas. The horse was set afire and thrown overboard while the crew sang a ditty called 'Poor Old Horse.""

A "dead horse" is still a "dead horse" to sailors and Marines. There are a few soldiers and airmen who have picked up the term, but most of them just call advance pay "advance pay."

Today's military men and women don't have to take a long cruise to get a "dead horse." Everyone making a permanent change of station move can draw up to three months advance basic pay, less deductions and allotments. But the practice is putting hundreds of service members and their families in "dire straits."

"We've noticed a significant increase in problems resulting from advance payments," said a spokesman for the Navy Relief Society.

"The main problems are a lack of understanding of just what advance pay is intended for," he emphasized. "It should be made clear that it's not to pay off a bill for encyclopedias, to give a big going-away party or to take a vacation enroute to the next duty station. The money should be used for travel expenses and for setting up a house at the new duty station - rent, security and utility deposits, things like that.

"Many sailors draw a 'dead horse' before going to sea, only to find out later that their family spent about the same amount of money, or more, as they did when he was home." he added. An advance payment is like an interest-

free loan. For instance, if an E-6, married with two children, "borrows" \$4,500 in advance pay, he has to repay the government only the amount borrowed. But payback is extremely difficult for

some families. Paying back \$4,500 means E-6's paycheck for 12 months.

for the Air Force Aid Society. "They pro- the government \$375 a month, where is he bably have about \$50 left at the end of the going to get the other \$325? pay period. If in addition to his normal liv-

"Maybe he had a part-time job and his ing expenses the person has to reimburse wife worked at the old duty station and



Military

Fleet Reserve is electing a new slate of officers

China Lake Branch 95 of the Fleet Reserve 7:30 p.m. at the Chief Petty Officers' Mess, and all active duty and retired personnel of Schwaiger, Verne Tracey, and James the Navy, Marine Corps and Coast Guard are invited to attend.

Nominated for office and the offices for which they have been nominated are: President, H. J. (Joe) Tavare and A. C. ficers, which is planned for May 17.

Officers for the upcoming year will be (Skip) Bennett; vice president, Tina L. elected at Monday evening's meeting of Evans; secretary-treasurer, W. E. (Wally) Baker; and for five seats on the board of Association. The meeting will be held at directors, Edward Alba, Opel Anders, Bob Balcom, Robert de Champalin, Robert Unger. Nominations are open until the time of election.

> Also on the agenda will be making final plans for the installation of the new of-

CHAMPUS may cover new medical procedures

New services will now be covered by MRI is a new way of producing high-CHAMPUS (Civilian Health and Medical quality images of cross-sections of the Program of the Uniformed Services) in- body, in order to spot internal abnorcluding some cosmetic, plastic or malities or diseases. It's especially useful reconstructive surgery and magnetic reso- in examining head, central nervous system nance imaging (MRI).

from CHAMPUS, but claims processors tions. It does not require surgery or radiacan answer questions from military famition like some other diagnostic procedures. lies who want to use these services. For There are restrictions on the use of MRI.

or spinal injuries. It is considered equal to or better than the computerized These do not require advance approval tomography (CT) scans for some condi-

CHAMPUS users in California, call Blue For details contact the CHAMPUS claims Cross-Blue Shield of South Carolina at 1- processor or the nearest Health Benefits

job at the new duty station, the advance pay starts killing him.' 'Most people don't know it, but they can get their payments extended to 24 months if

their cash flow was based on two or three

incomes," he said. "If his wife can't find a

they are assigned to a high cost area, such as Washington, D.C., San Diego, Calif., or New York City," said a spokeswoman for the Army Community services Center, Fort Service members in grades E-7 and

above can apply for the extension at their local finance office. An extension for E-6s and below must be approved by their commander.

"Are You Carrying Around a Dead Horse?" is the title of a pamphlet produced by the Fort Myer (Va.) Army Community

"Some service members don't understand how they pay back advance pay," said the Army Community Service spokeswoman. "Some of them don't ask enough questions at the finance office.

"They end up at the Army Emergency Relief, Navy Relief Society, Air Force Relief Society or the Coast Guard Mutual Aid Society getting another loan they have to pay back," said the spokeswoman.

Getting advance base pay really is like carrying around a dead horse," she said.

"They still have the 'dead horse' burning ceremony aboard some ships after they've been at sea for three months," said a Navy captain. "They throw it off the fantail."

Youth party time

The Youth Activities Branch is now handling birthday parties. Parties for kids 6 to 16 years of age will be held at the Youth Center at a cost of \$5 per person.

The parties include birthday cake, ice cream, Kool Aid, decorations, party favors, games, roller skating, and a balloon bouquet delivered by a character.

For registration and information, contact the Information, Ticket and Tours Office,

U.S. Savings Bond interest remains taxable

Interest on U.S. Savings Bonds is taxable 1) annually, as it accrues, or 2) when the income and must be reported on federal bond is cashed or reaches final maturity. that \$375 per month will be taken out of the income tax returns, the Internal Revenue

"Many service families live from Taxpayers must report the interest from paycheck to paycheck," said a spokesman Series E and EE bonds in one of two ways: year received.

In the case of Series H and HH bonds, however, interest payments are made

Bonds as co-owners with their children are liable for the tax on the interest earned on the bonds. Interest on U.S. Savings Bonds twice a year and must be reported in the bought in the name of a child is income to the child.

writing proficiency test (undergraduates only).

Scope: The course will identify and discuss the individual elements of complete computer systems. Problems relating to the interconnection of these elements will be defined and analyzed from the viewpoint of total system performance. This is a writing proficiency course.

Text: Introduction to Computer Architecture. Stone, Scientific Research Associates, 1980.

Note: This is a core class required for all options (BS and MS) except Computer Engineering.

Note: The course dates have been changed back to the originally scheduled dates.

CSCI 376: THEORY OF INFORMATION RETRIEVAL (3 units)

26-27 April; 7-8 June; and 12-13 July; Saturday and Sunday, 0800-1600; Training Center. By: Professor George Arnovick.

Prerequisite: CSCI 172 (Systems Architecture), or consent of instructor.

Scope: This course is a graduate seminar on the theory of information retrieval systems. The major problems of modern information storage and retrieval systems are presented and discussed. Various theoretical as well as selected applied approaches will be studied and likely solutions will be presented and analyzed.

Text: Modern Information Retrieval Systems. Gerald Salton, McGraw-Hill.

Note: This is a required class for the masters program in software engineering. For more information call Steve Lee, ext. 2468. CSCI 250: COMPILER THEORY (3 units)

3-4 May; 31 May-1 June; 28-29 June; Saturday and Sunday, 0800-1600; Training Center, By: Professor Orlando Madrigal, CSUC.

Prerequisite: CSCI 151.

Scope. This course is intended as a first course in theory and the translation of programming languages. The course will cover language definition and descriptors, syntax structures, parsing, extraction of elements, symbol table construction, memory allocation, control statements, I/O lists, code generation, error detection, and diagnostic generation Topics include introduction to compiler theory, (programming languages, translator types, and arithmetic expressions and ALGOL target codes); formal languages; introduction to syntax analysis; precedence parsing; LR(0) and SLR parsing; LR(1). LALR; syntax directed translation; forms of the immediate code; code generation and optimization; run time storage management; and future research.

Text: Compilers Principles, Techniques and Tools. Aho, Sethi, Ullman.

CSCI 397C-2: ADVANCED TOPICS IN COMPUTER GRAPHICS (3 units)

14-15 June; 19-20 July; 16-17 August; Saturday and Sunday, 0800-1600; Training Center. By: Professor James Murphy.

Prerequisite: CSCI 231.

Scope: This course is a treatment of advanced topics in computer graphics with emphasis on rendering three-dimensional scenes on raster displays with antialiasing, clipping, hidden surface removal. and shading. Topics include frame buffer architectures; color lookup tables; gamma corrections; Cromenco stand-alone; raster technology terminal; scan conversion of lines, polygons, and antialiasing; 30-object representation; image processing (histogram equalization, thresholding, and edge detection); 3-D clipping; polygon clipping; hidden line removal-Roberts algorithm; hidden surface removal-Warnock, Z-buffer, scan line, and ray tracing; fractal surfaces and fractal sets; texture mapping; Gourand and Phong shading; diffuse and specular reflection; transparency and shadows; and frame buffer animation techniques.

Texts: Procedural Elements for Computer Graphics, Rogers, McGraw-Hill, 1985, paperback (required) and Fundamentals of Interactive Computer Graphics, Foley and VanDam, Addison-Wesley, 1982 (recommended).

CSCI 270: SYSTEMS DESIGN (3 units)

24 June-21 August, Tuesdays and Thursdays. 1500-1730, Training Center. By: Professor John Zenor. CSUC.

Prerequisite: CSCI 171 and CSCI 172.

Scope: This course focuses on the early phases of the system life cycle: systems analysis and design. You will apply the experience gained in prior courses to the design and analysis of a system for a practical problem. Emphasis will be on the project-team

approach. Readings will be assigned from the current literature in systems analysis, design, and software engineering.

Texts: Mythical Man Month, Frederick Brooks; Notes on the Synthesis of Form, Christopher Alexander, Harvard Press; and Concise Notes on Software Engineering, Tom DeMarco.

MATH 477: DISCRETE MATHEMATICAL STRUCTURES (5 quarter units)

9 April-11 June, Wednesdays, 1600-2100 (1-hour dinner break), Training Center. By: Professor El

Prerequisite: Math 6A (Elementary Calculus) or consent of instructor.

Scope: Topics include logical deduction, induction, sets and binary relations, functions, graphs, trees, networks, combinations, lattices, and Boolean algebra (time permitting).

Text: Discrete Mathematics. Ross and Wright. Prentice-Hall

Note: This is a required course for all undergraduate options in computer science.

BUSINESS AND PUBLIC ADMINISTRATION **BA 370: LEGAL ENVIRONMENT OF BUSINESS** (5 quarter units)

8 April-10 June, Tuesdays, 1600-2100 (1-hour dinner break), Training Center. By: Professor Graves,

Scope: Introduction to the legal processrecognizing law as an instrument of social and political control in society. Topics include legal philosophy, judicial and administrative processes, constitutional protection for individuals, and government regulation of business

Note. This is a required course for the BS in **Business Administration**

PPA 691: SEMINAR IN PUBLIC POLICY ANALYSIS (6 quarter units)

7 April-9 June, Mondays, 1600-2100 (1-hour dinner break), Training Center. By: Professor Ruoss,

Scope: An integrating capstone seminar that focuses on initiation, formulation, and implementation of public policies. An exploration of policy models and policy analysis purposes and methodology. An analysis of contemporary policy areas: energy, the environment, criminal justice, welfare, education, foreign policy, and defense. An overview of political, legal, economic, and social institutions and their impact on public policy.

Note: This is a required core course for the MPA program. The class is limited to classified graduate students.

BA 477.067: TECHNICAL AND REPORT WRITING (5 quarter units)

7 April-9 June, Mondays, 1600-2100 (1-hour dinner break), Training Center. By: Professor lyasere,

Scope: Extensive practice in writing clearly and persuasively in technical and specialized forms such as reports of experiments, abstracts, business reports and proposals, letters, and memorandums.

Note: A passing grade of "CR" or "C" or better in this course satisfies the writing competency requirement for CSB undergraduate and graduate

SOC 405: TECHNOLOGY AND SOCIETY

8 April-10 June, Tuesdays, 1600-2100 (1-hour dinner break), Training Center. By: Professor Julian,

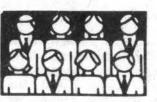
Scope: This course examines the reciprocal. relationship between technology and society, emphasizing the manner in which technological changes alter basic social institutions, including the family, religion, and the military, and even science itself. Special attention is given to the positive and negative impacts of technology on the individual and the dilemmas posed by the creation of a technology. dependent economy.

Note: This course satisfies the General Education Goal XIII.

GENERAL COMMENTS

1 Textbooks are available at bookstores locally.

2. Job-related courses other than those listed above must be approved on an off-Center Training Request (DD Form 1556) before registration if NWC is expected to pay for the training. For more information contact Cecil Webb, ext. 2648.



Personnel News & Notes

Promotional Opportunities

Applications for positions listed in this column will be accepted from current, permanent NWC employees and from eligible employees of attached activities who are permanently assigned to NWC unless otherwise specified in the ad. 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 the addresses the specific Knowledges/Skills/ Abilities (KSAs) cited in the ad. Write the position title/series/level and announcement number of 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 nonmerit reason.

Code 0852 — This position is located in the 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. Knowledges: NWC organizational structure; Navy filing Knowledge of different relevant lines of system. Skill: interfacing with diverse groups of people. Promotion potential to GS-5. Previous applicants need not reapply.

No. 232-007, Clerk-Typist, GS-322-3/4, Code 232 - Incumbent is primarily responsible for transcription of physicians daily office notes from dictating machine equipment. Other duties will include pro-Technician in maintaining Sick in Quarters register, Accident/Injury register and other records maintenance functions. Elements: Knowledge of medical terminology. Ability to use dictating machine equipment; ability to communicate effectively verbally. Promotion potential to GS-4. Status eligibles may apply.

No. 25-009, Clerk-Typist, GS-322-3/4, Code 2502 - This position is located in the Administrative Services Section of the Staff Office, Supply Department. The duties include receiving, reviewing, and distributing all correspondence for Code 25, maintaining library and central files; and maintaining distribution lists for all types of Supply Publications. The incumbent also provides clerical and typing support to the Staff Office Secretary and to the Department Secretary. Ability to: index and file; to work independently; to receive and distribute incoming and outgoing correspondence. Promotion potential to GS-4.

No. 26-018, Custodial Work Inspector, WG-3566-6, Code 2672, Supplemental Re-

No. 08-021, Mail/File Clerk, GS-305-3/4. quired - Performs inspection of maintenance and service work performed Command Mail, Files and Records Branch. under contract, i.e., custodial services, grounds care, etc. Assures proper trade practices are followed. Prepares daily Ability to interpret instructions and specifications; to inspect; to meet dealines under pressure; to work with others.

No. 34-008, Visual Information Specialist (Presentations), DA-1084-1, Code 3464 -This position is located in Field Branch 4. Field Service Division, Technical Information Department. The incumbent prepares or assists senior specialist in preparing visual graphics for presentations and technical publications. The work is received from the Aircraft Weapons Integration Department and the Aircraft Department, but may also be from other departments geographically located close by. The incumbent will also operate various cameras, headliner, Diazo ozalid machine, and other tools-of-the-trade. Job Relevant Criteria: Ability to communicate information visually: ability to deal effectively with all levels of Center personnel; ability to analyze, gather and organize data; ability to work under pressure. Promotion potential is to DA-3, but is not guaranteed.

No. 36-140, Clerk-Typist, GS-322-3/4, Code 364 — This position provides clerical support to the Engineering Prototype Division Engineering Department. Duties include typing letters, memoranda, reports, and forms from rough drafts, notes or oral instructions; reviewing correspondence for correct grammar, punctuation, spelling, and proper format; receiving and directing prepare technical illustrations; perform customers/visitors and phone calls; receiving and distributing incoming mail; drawing services for completeness and maintaining files, preparing and handling

timecards, travel orders, and itineraries; and requisitioning supplies. Elements: Skill of a qualified typist. Knowledge of: grammar, punctuation, spelling, and proper format; filing systems and files management; ability to: receive and refer phone calls and visitors; personnel forms, travel orders and itineraries, and requisition supplies. If filled at the GS-3 level, promotion

potential to GS-4. No. 36-148, Interdisciplinary Supervisory/General/Electronics Engineer/ Physicist/Mathematician, (DP-801, 855, 1310, 1520-3), Code 36222 — The Design Analysis Section is responsible for supporting the transition of the Sidewinder AIM-9R (electronics/software) development program from Code 39 to Code 36. The tasks include: digital/analog circuit design and analysis, production engineering, aircraft interface, field test support, system software support activity and design disclosure support. Incumbent is responsible for providing technical leadership to a team of scientists, engineers, and technicians on each task assigned to the Section by Code 39 and head, Systems Electronics Branch. Incumbent will interface with all levels of NWC management, program offices, and development and production contractors. Previous experience in full-scale engineering development is desirable. Elements: Knowledge: of hardware testing techniques; 68000 microprocessor language; project planning. Ability: to design with analog microprocessor and digital hardware; willingness to support NWC's Affirmative Action program. No. 36-147, Engineering Technican, DT-

802-3, Code 36406 - Incumbent works independently and with engineers and scientists in the design and fabrication of weapons systems hardware utilizing Computer Aided Manufacturing. Ensures that design files and drawings include the necessary information for tolerancing, configuration control, complex surface generation, least cost design, production control, quality control, and documentation standards. Incumbent is responsible for the coordination of assigned projects between the weapons system customer and the CAM process involved including creating design files for inspection and as-built drawings. Develops new software and hardware to expand the use of Computer Aided Manufacturing processes. Elements: Knowledge of the CAM process including APT and graphics programming for multi-axes fabrication functions; of design and detailing on interactive graphics; of design documentation standards. Ability: to work directly with the design engineers, plan projects, and program automatic tools via the graphic process, program in APT (multi-axes) and lead others in completing project work. Minimum of three years experience in CAM operations, interactive graphics use, and APT programming is

No. 36-149, Electronics Technician, DT-856-1/2, Code 3683 - Incumbent will perform calibration, make measurements, repair (as required), and utilize a large variety of test and measuring equipment (TME). Elements: Knowledge: of digital/analog electronic test equipment. electronic math and theory; computer applications. Ability: to program and use controllers; trouble shoot digital circuits. Promotion potential DT-3.

No. 36-150, Engineering Aide, DT-802-A, Code 3657 — Position is a Bridge Position which provides qualifying experience to allow the individual to develop a career field as an Engineering Technician. Incumbent participates in a career development program to learn necessary skills to create mechnical/electrical drawings; dimensional tolerance studies; perform conformance to standards and use of procurement of electronic systems and

CAD/CAM equipment to accomplish/support above items. Elements: Ability: to interpret and apply instructions and procedures; to participate in a team environment. Multiple vacancies, some will be second shift. Promotion potential DT-3.

No. 39-013, Supervisory Interdisciplinary General/Electronics Engineer/Physicist, DP-801/855/1310-3/4, Code 3951 - This position is the Head of the Electronics Development Branch. The branch is responsible for support of Walleye, SLEP, SLAM, Maverick and Advanced Data Links. The incumbent will provide technical supervision and will conceive, organize, plan and guide investigations. which will result in inventions, new and improved concepts, designs, systems or techniques. Responsible for theoretical and experimenta! studies, which requires a thorough understanding of the technical field. KSAs: Ability to communicate well both orally and in writing, and skill in presentation of technical material. Knowledge of strike weapons systems, electro optics, video tracking, RF data links and aircraft interfaces. Willingness to support NWC EEO policies and goals. Promotion potential is DP-4.

No. 62-001, Administrative Assistant, DA-341-1, Code 6202 - This position is located in the Range Department Staff Office. The incumbent assists the Head of Staff in providing staff and management services to the Department head and the Department. Emphasis is on personnel advice and services; planning; budgeting; management and organization analysis; manpower and financial analysis; space and facilities management, and general administrative services. Abilities: to organize and assemble facts for use in reports and presentations; to prioritize tasks and organize his/her work; to communicate with personnel at all levels. Knowledge: of administrative policies and procedures in the areas of personnel, management analysis, financial planning, plant account and equipment. Promotion potential to DA-2.

No. 621-002, Engineering Technician, DT-802-1/2, Code 62123 - This position is located in the Environmental Engineering and Evaluation Branch, Safety Test Section. The incumbent performs test setup, instrumentation system checkout and conducts safety testing of a wide range of ordnance items and weapons. Tests include fuel fire, slow heating, bullet impact, drop and other related safety tests. Evaluates and reports the test results. Abilities: to handle and test various ordnance items, to operate HP 21MX computer data acquisition system, DCP-7700 digital control programmer, video equipment, voltemeter. Knowledge: of transducers and test equipment; fabricate necessary test fixtures. Promotion potential to DT-3.

No. 621-003, Equipment Specialist, DS-1670-2, Code 6213 — Incumbent will collect, analyze, interpret, and develop information relative to writing specifications and procedures for the procurement, maintenance, and installation of range electronic equipment used in the ground test ranges of the Ordnance Test and Evaluation Division. Incumbent will maintain spare parts and material inventory systems necessary for the installation, modification, and maintenance of data acquisition, control, and communication systems and insure that these items are available to maintain installation schedules and keep systems in continuous operation. Incumbent will provide liaison between Branch technical personnel and the Center's supply systems. Will assist other Branch personnel in the installation and maintenance of electronic systems. Knowledges: of installation, maintenance, and operation of electronic and mechanical systems similar to systems used in ground test facilities: of procurement policy and practices related to the

tracts. Ability: to understand and interpret detailed specifications for equipment. Promotion potential is DS-2.

No. 621-034, Engineering Technician, DT-802-1/2, Code 62141 — This position is located in the Test Section, Warhead Test Branch, Ordnance Test & Evaluation Division, Range Department. The work of the section involves the static test and evaluation of warhead and explosives. This position supports the work of the branch in preparing the mechanical aspects of a test. Depending on complexity, the incumbent

explosive charges, making and assembling test fixtures and initiation systems or erecting arrays of Celotex and sheet steel for warhead arena tests. Willingness to work out of doors and with ordnance. Knowledge: of electricity for understanding of firing circuits, mechanical skills such as carpentry, light duty welding and cutting and familiarity with basic equipment. Abilities: to work safely both in field, shop, and with explosives; to work as a team member. Must take training which will lead to a position of Firing Officer for tests. May have promotion potential to DT-3.

one or more of the following technologies:

Improved MK80 Series Bombs, In-Service

Weapon Systems Cookoff Improvement,

Advanced Penetrator Warhead and Iner-

tially Aided Munitions. Familiarity with

DOD and NAVWPNCEN Acquisiton/

Management Review and documentation

policies/instructions desirable. Please

forward updated SF-171 to Dick Demarco,

Code 3268, extension 2188, Promotion

No. 35-035R, Interdisciplinary (Physicist,

Electronics/Mechanical Engineer, Com-

puter Scientist), DP-1310/855/830/1550-2/3,

Code 3524 - Position is as an assistant

Systems Engineer for the Advanced Seeker

Program for the Highspeed Anti-Radiation

Missile (HARM). Incumbent will assist in

systems definition and in coordinating the

rienced in the development of computer

and control of anti-radiation guided

missiles. To apply send an updated SF-171

No. 35-030R, Interdisciplinary (Elec-

one or more of the following areas is

No. 35-031R, Interdisciplinary (Elec-

trical/Electronics Engineer, Physicist,

volving digital simulation of missile fly-out,

aspects of EW influence on aircraft sur-

vivability. Systems addressed may involve

detectors, DECM jammers, radar warning

(Code 35124), ext. 3170. Previous applicants

No. 35-032R, Interdisciplinary (Elec-

need not reapply

to J. Johantgen (Code 3524), ext. 2493.

potential to DP-3.

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.

No. 31-123, Interdisciplinary Electronics/Aerospace/Mechanical/General Engineer/Physicist, DP-855/861/830/801/ 1310-2/3, Code 3144 — This position is in the F/A-18/AV-8B Weapons Integration Branch, System Integration Branch, System Integration & Evaluation Division, Aircraft Integration Department. The incumbent will perform weapons integration for the F/A-18 Program. Duties will include analysis of proposed F/A-18 avionic system design; assessment of design implementation to assure optimum weapons control system performance with respect to weapon requirements; development of aircraft weapon integration and weapon control system requirements; formulation of laboratory, ground, and flight test requirements pertinent to F/A-18 testing at NWC, contractor facilities, and other government activities. Performance of these duties will require the incumbent to acquire a thorough working knowledge of the operation of the avionic system and a wide range of weapon systems in a timely manner. Frequent contact will be required with sponsors, aircrew personnel, contractors, and software requirements for interface other NWC organizations, and other government agencies for the exchange of technical information and for coordinated participation in F/A-18 development and testing activities. Experience with one or tronics/Electrical Engineer, Mathematimore modern weapon systems (e.g. cian, Physicist), DP-855/850/1310/1520-2/3, HARM, Harpoon, Maverick, AMRAAM, Code 35122 - Incumbent will be involved in etc.) is desired. Applicant must have the analysis, digital simulation, and ability to communicate, both orally and in evaluation of a variety of EO/IR systems, writing, to work effectively with others and subsystems, and techniques, along with to work independently on multiple diverse their countermeasures and counterassignments. To apply, send updated SF- countermeasures. Programming ability in 171 to R. J. Anderson, Code 3144, NWC ext. FORTRAN is required. A background in

No. 32-201, Interdisciplinary (General, desired: principles of missile flight and Materials, Mechanical, Aerospace, Inguidance, IR propagation and detection, dustrial) Engineer, DP-801/806/830/861/ principles of EO devices, or mathematical 896-3, Code 3261 — Incumbent will be the modeling. This work involves both "quick project engineer for full-scale engineering look" and longer term task assignments. development (FSED) of an improved To apply, send an updated SF-171 to Don warhead for a major design and explosive Goodson, Code 35122, ext. 3170/2513. selection process. The following types of Previous applicants need not reapply. experience is desired: FSED experience and familiarity with Center acquisition, management review, and documentation Mathematician), DP-850/855/1310/1520-2/3, policies/instruction are required. To apply, Code 35124 — Incumbent will participate in send an updated SF-171 by 15 April 1986 to electronic warfare system effectiveness N. Fasig, Code 3261, extension 7282. Pro- and requirements studies, plus tasks inmotion potential to DP-3.

No. 32-207, Interdiscipinary electronic jamming of radar, and other Mechanical/General Engineer, DP-830/ 801-3, Code 3268 — Incumbent will perform as a development engineer, responsible for expendable decoys, missile seekers, missile conducting analysis, mechanical design, fabrication and assembly coordination, environmental/safety and performance send an updated SF-171 to Ray Skipping testing to demonstrate feasibility and/or qualification thereof of new or improved weapon systems. Assigned tasks will be in the area of conventional ordnance covering tronics/Electrical Engineer, Physicist),

maintenance, as well as other service con- will work alone or with others in preparing

1310/1520/1550-3, Code 62C2 — This position is that of a Project Engineer in the Ground and Track Projects Office, T&E Projects Office, Range Department. The incumbent provides overall coordination and fiscal management of assigned test projects. Projects handled within this office include ground launched missiles and rockets, large and small caliber guns, flyover

DP-855/850/1310-2/3, Code 35123 — Incum-

of Naval aviation electronic warfare

equipment and techniques. To apply, send

an updated SF-171 to John J. Clark, Code

35123, ext. 3170. Previous applicants need

No. 62C-001, Interdisciplinary (General,

Electronics, Mechanical, Aerospace

Engineer, Physicist, Mathematician,

Computer Scientist), DP-801/855/830/861/

testing, ordnance and magazine effec-

tiveness testing. The incumbent serves as

primary contact between sponsors and

with all levels of management at the bent will be involved in studies and analysis NAVWPNCEN, contractors, other government agencies and range personnel. The incumbent translates project data requirements into range resource requirements, and generates the required documentation including test plans. To apply, send an updated SF-171 to George Ostermann, Code 62C2, NWC ext. 5808. Promotion potential is DP-3.

No. 64-020, Interdisciplinary (Electronical/Electronics Engineer, Mechanical Engineer, Aerospace Engineer, General Engineer) DP-850/855/830/861/801-2/3, Code 6403 - This position is located in the Recovery Systems Program Office, Aerosystems Department. The incumbent will serve as the Air Force SEAWARS program manager. Duties performed will involve managing the production and initial introduction of the AFSEAWARS. To apply, send an updated SF-171 to Dan Long, Code 6403, NWC ext. 3085. Promotion potential is range personnel, and frequently interfaces DP-3.

Secretarial opportunities

This column is used to announce secretary 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 grades, 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 secretary duties are implied by the job relevant criteria indicated

Applicants will be rated against 4 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) ablity 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

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

various design efforts which comprise the Advanced Seeker Program. Incumbent should be familiar with anti-radiation No. 08-024, Secretary (Typing), GS-318-5, missile seekers, specifically the interaction Code 08C — Provides secretarial support to and interfacing of microwave, analog, and the Associate for Administrative Informadigital circuits in tactical weapons; expe-

tions Systems. Promotion potential to GS-6. No. 32-200, Secretary (Typing), GS-318-4/5, Code 3263 - Provides secretarial support to Weapons Systems Branch "A". Knowledge and working skill on a Xerox 640 desirable. Promotion potential to GS-5.

No. 32-205, Secretary (Typing), GS-318-4/5, Code 3268 - Provides secretarial support to Weapons Systems Branch "B". Knowledge and working skill on a Xerox 640 desirable. Promotion potential to GS-5. Previous applicants need not reapply.

No. 32-208, Secretary (Typing), GS-318port to the Explosives Development Com-

posite. Knowledge and working skill on a Xerox 640 is desirable. Promotion potential

No. 33-013, Secretary (Typing) GS-318-4/ 5, Code 3381 — Provides secretarial support to the Analysis Branch, service contract administrative support to the COTR (Branch head, Code 3381), and daily supplemental support for Division Office. Familiarity with IBM Display-writer system desirable. Promotion potential to GS-5, but

No. 36-139, Secretary (Typing), GS-318-4/5, Code 3643 - The incumbent will provide secretarial support to the Head, Quali-4/5, Code 326B - Provides secretarial sup- ty Control Branch. Promotion potential



Recent Separations

	ILUUUIIL UU	DHIMBIOLID
Code	Name	Title
26414	Lydia, James E.	Painter
31941	Gilmer, Bradford R.	Aerospace Engr. Supvy
3607	Schwarzbach, Ralph P.	General Engr.
3642	Preston, Thomas W.	General Engr.
3648	Phillips, Robert N.	Laborer
3662	Watkins, Kathleen H.	Secretary (Typing)
3664	Harding, Paul D.	Logistics Mgt. Spec.
3683	Marvin, Charles R.	Electronics Tech.
6232	Darrow, Scott T.	Electronics Engr.

Non-appropriated Funds **Arrivals**

MAGE!	Littidii Davis	
2227	Amy Cooper	
2213	Sherrie Taylor	
2211	Judith Monroe	
2211	Maria Luker	
2224	Michael Pope	
2213	Howard Gloyd	
2227	Rachel McWilliams	
2227	Yvonne Campbell	

Non-appropriated Funds **Departures**

2225	Lee Sangchan	
2213	Alan Barker	
2225	Raymond Kuo	
2227	Sumalee Meyer	
2224	David Stahlheber	

Survey distribution begins soon

Distribution of the 1986 Civilian not completing the entire demographic Employee Attitude Survey is scheduled to section.

begin in a few days. Employees will notice We will not provide survey data to that the answer sheet has been redesigned, management for any division with less than making it easier to complete the ten responses. demographic section. Some of the answers Completed surveys should be returned to

have been grouped together, increasing Code 0824 by May 9. If you have any quesconfidentiality. tions, please contact Lucinda Bourne, Code

Please indicate current division even if 0824, NWC ext. 3521.

Personnel Development Opportunity

UNDERSTANDING AND APPLYING THE 68000

19-23 May, Monday-Friday, 0800-1600, Training Center. By: Dr. Lance A. Leventhal, Emulative Systems

Intended audience: Scientists, engineers, and advanced technicians familiar with the basic concepts of 8-bit microprocessors and needing a course on the application of the 68000 16-bit microprocessor.

Prerequisite: Completion of a course on any 8-bit microprocessor or equivalent work experience.

Objectives: To help you gain a comprehensive understanding of the uses of 16-bit microprocessors and their applications; acquire skills in programming a 16-bit microprocessor for performing basic computer functions; and gain experience in microcomputer system development and be able to perform hardware/software tradeoffs.

Scope: Topics include simple operations, decisions, loops, arrays, arithmetic, and look-up tables. The hardware aspects of the 68000 will be considered, including detailed discussions of control signals, input/output, interrupts, and memories. Some actual I/O and timing examples will be executed on the microcomputer.

Deadline: 28 April.

NAVY FORMAT FOR TECHNICAL WRITERS 22 May, Thursday, 0800-1130, Training Center. By: Odessa Newman.

Scope: Provides a brief on Chapter 1 (Naval Writing Standard) of the Department of the Navy's Correspondence Manual. The class will help you make the transition from "governmentese" to plain English. You will learn the formats for naval letters and memorandums and their use. Please bring a Correspondence Manual to class.

FINANCIAL MANAGEMENT FOR NEW SUPERVISORS 22 May, Thursday, 0800-1130, Training Center. By:

Intended audience: New supervisors.

Scope: Provides new supervisors some basic information about the NWC financial system. The course covers basics like the NWC financial organization, levels and kinds of funding received, the overhead system, rate stabilization, and acceleration (fringe).

Deadline: 8 May.

Deadline: 8 May.

ROLE OF SUPERVISOR IN HANDLING DRUG & ALCOHOL PROBLEMS

21 May, Wednesday, 0800-1600, Training Center By: Don Casey, Office of Personnel Management.

Scope: One of the most difficult yet common problems that confronts supervisors and managers is that of employee alcohol and drug abuse. The variety of alternatives for handling each individual situation ranges from immediate removal to rehabilitative efforts by the agency, with a myriad of regulations and laws dictating the response depending upon the factual situation involved. This workshop will enable the supervisor to identify the problems, determine the alternatives, and correctly follow the required course of action. In this class you should learn to identify drug and alcohol abusers and users, determine when disciplinary action may be initiated without rehabilitation offers, decide when rehabilitation assistance must or may be offered to the employee, determine when rehabilitation efforts have failed, and list the components of agency employee counseling services programs.

Deadline: 7 May.

To enroll in these classes submit Training Request Form (NAVWPNCEN 12410/73) via department channels to Code 094. (Code 094)

CSU-Chico advisor visits NWC

Dr. Orlando Madrigal of Cal-State Uni- degree programs in computer science advise current and prospective students in degrees. Those who wish to see D the external degree programs offered by Madrigal are asked to make an appoint

Cal-State University Chico has external 2648.

versity Chico will be on-Center May 5 to which lead to bachelor's and master' ment by telephoning Kit Driscoll, NWC ext.

California State University Spring Classes

The following classes are being offered this spring for the Cal-State Chico Computer Science Program (bachelor's and master's degrees) and the Cal-State Bakersfield Business (bachelor's degree) and Public Administration (master's degree) Programs.

To enroll in these classes (other than Cerro Coso), submit a Training Request (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held in class at the first class meeting. Deadline for enrolling is 10 calendar days before the starting date of the class. Although training requests will be accepted after the deadline, that date will be used to determine whether the class will "go."

COMPUTER SCIENCE

CSCI 172: SYSTEMS ARCHITECTURE (3 units)

19-20 April; 17-18 May; 21-22 June; Saturday and Sunday, 0800-1600; Training Center. By: Professor Roy Crosbie, CSUC.

Prerequisite: CSCI 151, 171, passing grade in