

Special effect show slated

Everyone who is interested in special effects in movies will have a rare opportunity on Saturday, Oct. 25, to discover how these special effects are created when Ira Keeler of Industrial Light & Magic will present an evening workshop on that topic at a local auditorium to be announced.

During the two hour workshop, Keeler will take special effects from original sketches to final film, using miniaturized models, the development of monsters and creatures and optical and other special effects.

Cost of the workshop is \$10 for general admission and \$5 for anyone with a student identification card of any sort. Tickets can be purchased from the office of the Indian Wells Valley Association for Retarded Citizens (IWARC) or at the film festival at the Ridgecrest Cinemas.

Also on tap that evening (which begins at 6 p.m. and lasts until 10 o'clock) will be a reception for Industrial Light & Magic and then an auction of original art works on display at the gallery of the new Maturango Museum. Profits of the auction will be shared between the IWARC and the museum.

CLOTA presents dinner theater

Tonight and tomorrow night's performances of the Civic Light Opera and Theatre production of "Sing for Your Supper" will be in the form of a dinner theater at the Elks Lodge, 201 E. Church Street in Ridgecrest. A social hour at 6 p.m. precedes a prime rib dinner at 6:30 and show time starts at 7:30 p.m. Tickets for dinner and show are \$15 per person and can be purchased at The Music Man in Ridgecrest.

Next week this production of 60 of the songs of Richard Rodgers and Lorenz Hart will be presented at the Burroughs High School lecture center, with curtain time at 7:30 p.m. Tickets for the theater production will be \$6.50 for general admission and \$4.50 for students, senior citizens and military personnel. Tickets for this production are available from cast members, Farris' Restaurant, Medical Arts Pharmacy, The Music Man, The Book-Let and The Art Buffet, all in Ridgecrest.

Cooking class set tomorrow

Community Connection for Child Care (CCCC) is sponsoring a workshop, "Cooking With Kids," for adults on Saturday, Oct. 18 from 9:30 to 11:30 a.m. at the Norma Square Preschool, 732 N. Norma, Ridgecrest. Linda Lacher will be the guest speaker. Fees, which may be paid in advance or at the door, are \$2 for Child Care Network members and \$4 for general admission. Reservations are required and must be made by 5 p.m. today.

For reservations, or for more information, call CCCC at 375-3234.

Weather Report

	Max	Min	Peak Gust
Fri.	83	50	12 knots
Sat.	81	49	15 knots
Sun.	75	42	13 knots
Mon.	79	33	9 knots
Tues.	84	36	9 knots
Wed.	86	37	11 knots
Thurs.	86	39	13 knots

All measurements are made at Armitage Airfield.

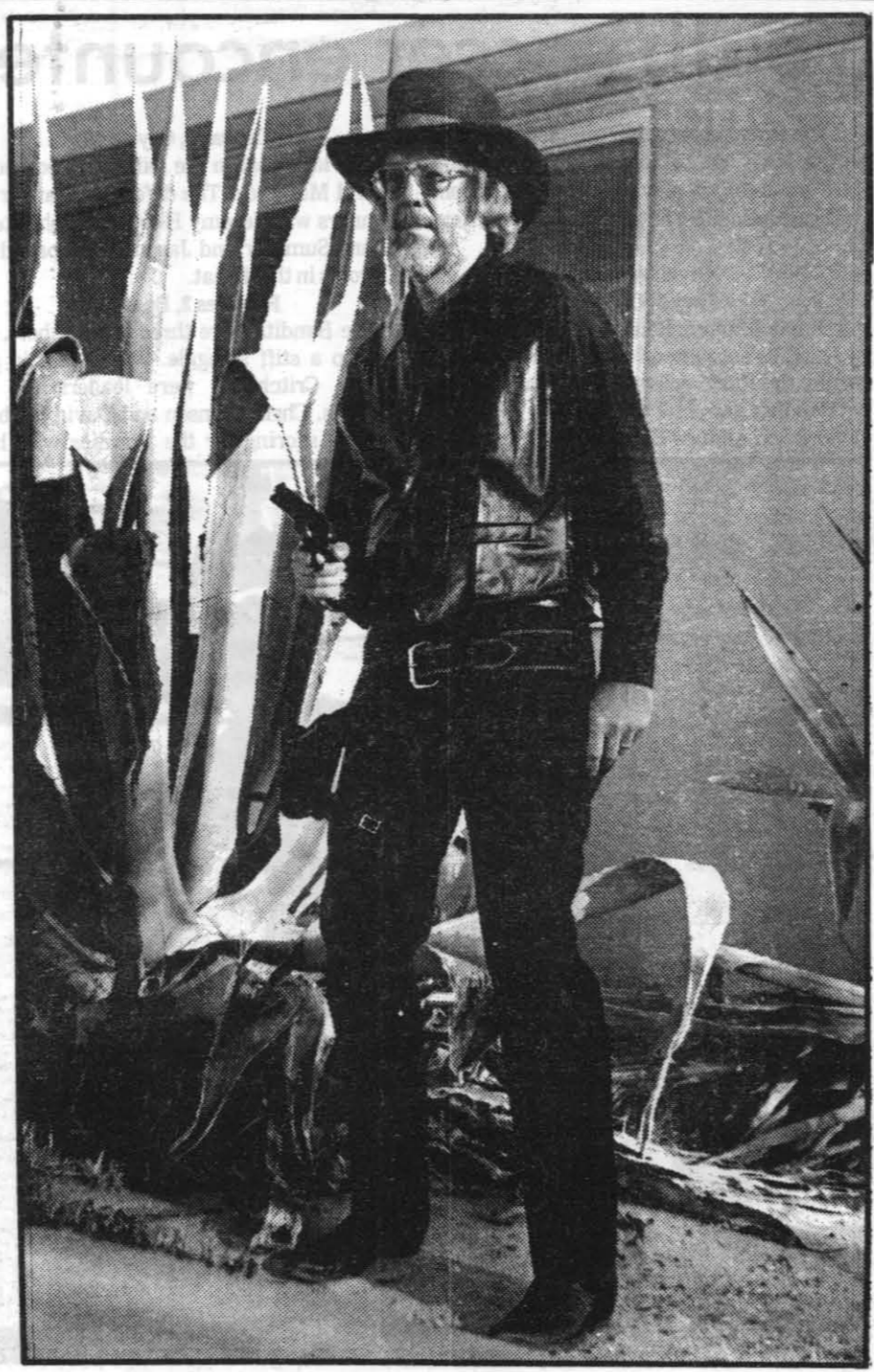
Fast draw artists sought

Fast-draw competitors are invited to take part in the High Desert Fast Draw Championship competition at Maturango Junction Day, Oct. 25, starting at 10 a.m. The event is sponsored by the Police Employees Association of Ridgecrest, Inc.; MLM Motor Cars; and R&J Hughes — Fine Books.

The High Desert Fast Draw Championship will be "open" style competition, which is the fastest method of drawing, cocking, firing and hitting a target; no live ammunition is used, only blanks and primer. Many contestants can draw, fire and hit a target in 0.25 seconds — and the blink of an eye is about 0.18 seconds. Four separate events will test the shooter's skill, with men and women winners determined by the overall elapsed time for their shots.

Entry fees are \$25 for men and \$15 for women, with money returned to the shooters after deduction of direct expenses. Winners will receive \$100 for first place and \$75 for second place, as well as trophies.

Anyone interested in learning more about either the competition or about fast draw, is asked to telephone Hughes at 446-6130 evenings.



PRACTICING — Richard Smith Hughes gets ready for the Fast Draw Championship that will take place on Maturango Junction Day, Saturday, Oct. 25.

Community Events

Tonight and tomorrow night the Richmond Road gate will remain open until 11 p.m. and Mondays through Thursdays the gate will be open until 10 p.m. throughout October, November and December.

If enough use is made of the gate during extended hours, these (or a variation thereof) may become permanent.

All military personnel and DOD civilians are invited to join in celebrating the Navy's birthday tonight at a cake-cutting ceremony at the Commissioned Officers' Mess at 6 p.m. Free hors d'oeuvres will be provided and reservations are not required.

Those who'd like to spend the evening are invited to have a prime rib dinner (at only \$7.95 per person) and then to spend the evening dancing to the music of a live band.

There will be a Halloween Masquerade in view of National Pumpkin Day on Saturday, Oct. 25, from 12:30 to 4:30 p.m. at NWC's Youth Center. All ages are invited to attend. At 2 p.m. a costume contest will be held with prizes for most original, scariest, funniest and cutest couple.

Come as you are and pay \$2, but wear a costume and get in for only \$1. For more information call the Information, Ticket and Tour Office at NWC ext. 2010.

Early Christmas shoppers are invited to attend the Sierra Craft Guild 1986 Christmas sale at the Community Room of the Desert Counseling Clinic, 814 N. Norma in Ridgecrest. The sale will be held until 8 p.m. today, from 9 a.m. to 6 p.m. tomorrow and on Sunday from 10 a.m. to 4 p.m.

Featured artists include Jean Donovan, pottery and weaving; Nancy Hoyem, watercolors and wall hangings; Julie Stayton, fiber craft; Rosemary Ravsten, fabric art; and Carol Wilcher, linoleum block printing. Special guest exhibitor will be the Desert Design Study Group, which will display table and wall decorations.

Now is the time for patrons of the Commissioned Officers' Mess (and all Junior Professionals) to make reservations for the big costume party at the COM on Friday, Oct. 31.

A home-cooked Italian dinner will be served from 7 to 10 p.m. at \$6.95 a person (or \$6.45 for anyone in costume) and dancing will follow from 9 p.m. to 1 a.m. to the music of "The Legends."

Reservations must be made by telephoning NWC ext. 3015 no later than Wednesday, Oct. 29.

Enjoy a dinner special of prime rib or baked stuffed hen at the Chief Petty Officers' Mess tonight, afterwards enjoy music from the band "Sequoia." Dinner will be served from 5:30 to 9:30 p.m. with "Sequoia" playing from 8:30 p.m. until 12:30 a.m.

Comet returns

In case you haven't had enough of Halley's Comet, the Earth will be passing through its path on Oct. 21 and 22, resulting in a meteor shower. Viewing of the shower is expected to be best after midnight.

Movies

FRIDAY	"BACK TO SCHOOL" Starring Rodney Dangerfield and Burt Young (Comedy, rated PG-13, 96 min.)	OCT. 17
SATURDAY, SUNDAY, MONDAY	"LEGAL EAGLES" Starring Robert Redford and Debra Winger (Mystery-Comedy, rated PG, 116 min.)	OCT. 18, 19, 20
WEDNESDAY	"BAND OF THE HAND" Starring Stephen Lang and Michael Carmine (Action-Drama, rated R, 110 min.)	OCT. 22
FRIDAY	"BLUE CITY" Starring Judd Nelson and Ally Sheedy (Action-Drama, rated R, 83 min.)	OCT. 24

Starting Time: Evening / 7 pm

(G) ALL AGES ADMITTED
General Audiences
(PG) ALL AGES ADMITTED
Parental Guidance Suggested
(R) RESTRICTED
Under 17 Requires Accompanying Parent or Adult Guardian

★ U.S. Government Printing Office
1986 — No. 40027

FROM: _____ PLACE STAMP HERE

TO: _____

Technical expertise delivers TD Award honors

"These two men exemplify what the Center does so well," Gerry Schiefer, NWC Technical Director, told those present at the Commander's meeting as he presented Technical Director's Awards to Jack T. Waller and Louis Renner.

"A contractor was in trouble, they paralyzed his development and these two good China Lakers were able to put together a missile motor ignition system that did the job it was supposed to do," Schiefer said.

The two men were recognized for two significant technical contributions: designing and developing an ignition system for the Tomahawk EX-III motor and the advancement of ignition system technology that the igniter represents.

Waller, as Project Manager, directed a team consisting of not only these two men

but also numerous others through an extremely compressed design and development schedule for the Mk 35 arming-firing device and the Mk 305 igniter. This development was initiated by an urgent request from the Joint Cruise Missile Program Office as a backup to a contractor-developed system that was having technical problems.

The letter of nomination for the award, written by Carl Schaniel, head of the Fuze and Sensors Department, points out that this was "rapid response to sponsor requests, adaptation of proven technology (the Mk 35) and innovative advances in technology (the Mk 305) all combined with disciplined test and evaluation and preparation of a high quality production technical data package. Recent ac-

complishments in this 15-month-old program have been successful completion of a Critical Design Review, a smooth Design Review committee review and initiation and selection by JCMPO to be the ignition system of choice for the EX-III motor."

Renner was responsible for the design and development of the Mk 305 igniter. The nomination notes that "Innovative technology was utilized providing a reliable and rapid ignition of the rocket motor while costing only a fraction of the competitive design. Rapid response to normal technical development problems was critical for the Mk 305 because of the compressed schedule and the new technology utilized."

The nomination commends Renner's technical expertise in the area of propulsion and igniter systems as well as hard

work and long hours. Both men expressed their surprise in having been singled out to receive the Technical Director's Award and added that they enjoyed working on the program.

Waller, who is in the Air-Launched Weapons Fuze Branch of the Fuze and Sensors Department, holds a bachelor's degree in mechanical engineering from New Mexico State University and a master's degree in the same subject from the Naval Post Graduate School in Monterey. He has been a China Lake employee since August 1975.

Renner, who is in the Systems Technology Branch of the Ordnance Systems Department, is an aerospace engineer who has been a China Lake employee since December 1958.

Three feted for PIP work with Gator

Three Naval Weapons Center employees received letters of commendation from Caspar Weinberger, Secretary of Defense for their efforts in improving the design/producibility of the end plate of the tactical munitions dispenser of the CBU-89/B Gator Weapon System.

Walter J. Hannon of Weapons Systems Branch "B" in the Ordnance Systems Conventional Weapons Division, Neal Lundwall of Weapons Systems Branch "A" and James Irvine, Gator Program Manager in the Systems Management Branch of the Engineering Department's Fleet Engineering Division, were saluted by the Secretary for work leading to a significant first year savings in the production of a major component of the Gator Weapon System.

As part of the Gator mine dispenser Product Improvement Program (PIP), the three China Lakers developed and made a part of the new contract, replacement of an expensive machine-tooled end plate with a much cheaper cast-iron end plate. R.J. DeMarco, branch head for the Weapons Systems Branch "B," said it is standard procedure for NWC weapon developers to pursue a PIP effort for every project to determine if there is a more cost effective way to manufacture the weapon components at higher volumes of production.

The development and engineering teams look for lower cost and improved reliability when moving from the low rate initial production.

(Continued on Page 7)



WORK COMMENDED — Gerry Schiefer, NWC Technical Director, and Capt. John Burt, NWC Commander, join with Jack Waller and Louis Renner after the latter two were presented Technical Director's Awards for their work in putting together an urgently needed missile motor ignition system.

Annual CFC fund drive commences today

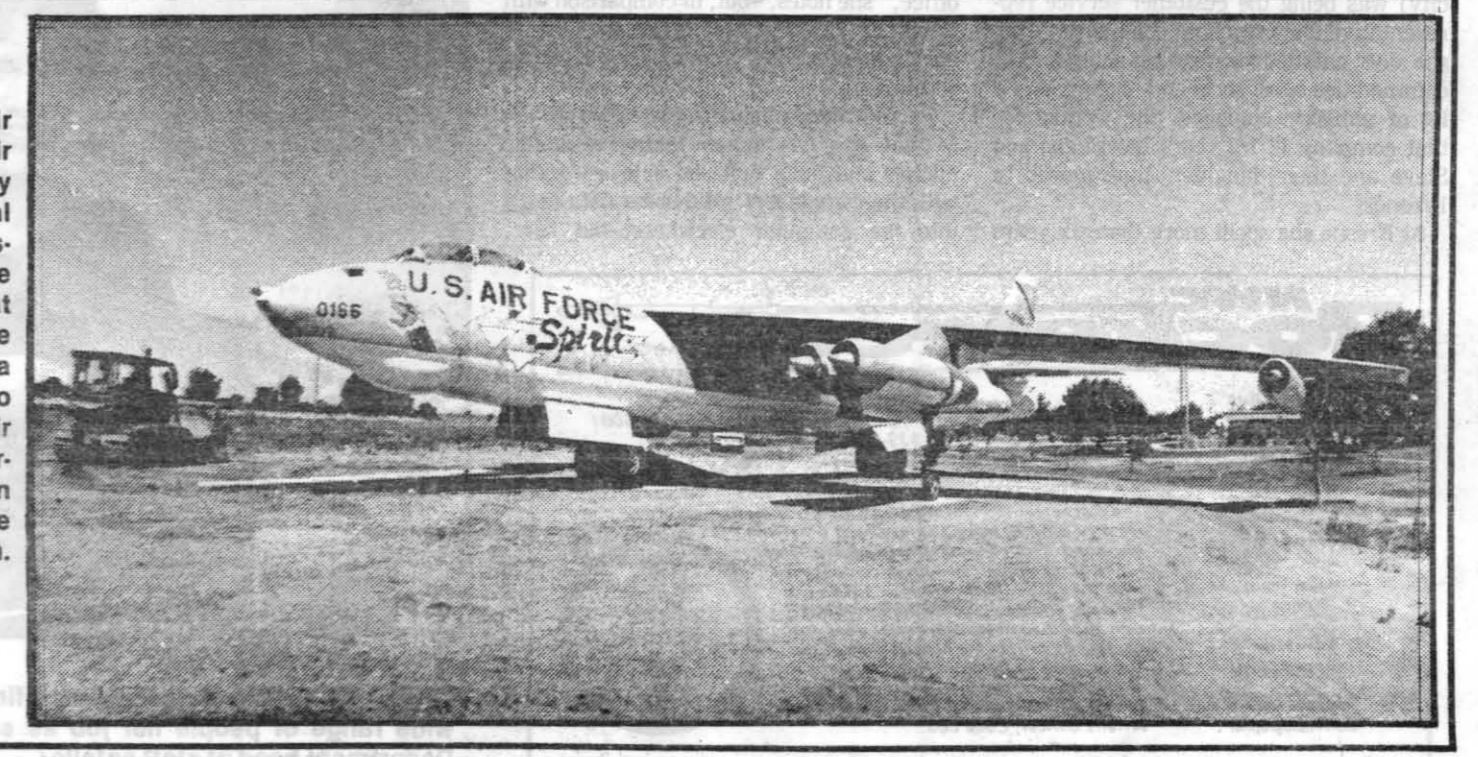
This year's Combined Federal Campaign (CFC) kicked off this morning (Friday) with a meeting of key personnel from throughout China Lake departments for a briefing on their role in this annual effort.

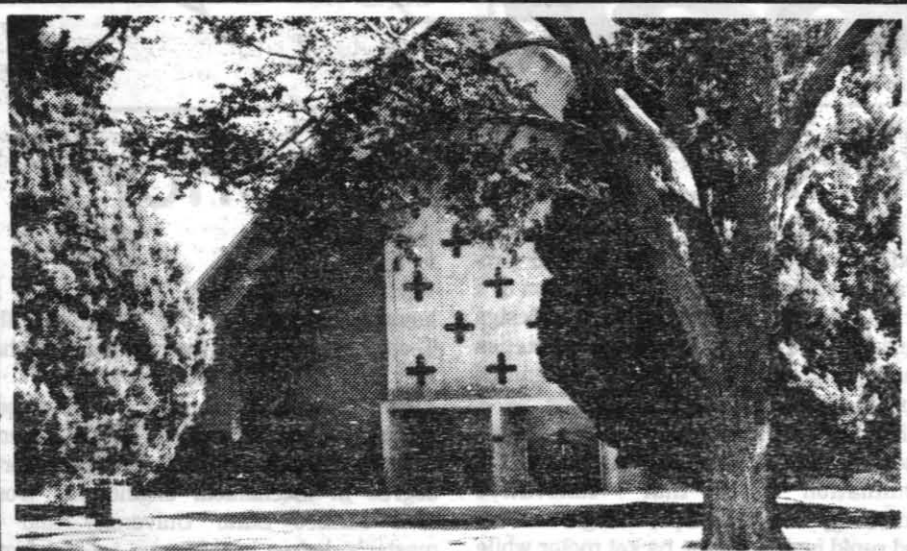
Last year China Lakers established a new record for giving with pledges exceeding \$200,000 for the first time ever.

Every employee, military and civilian alike, will be contacted by the key person

for the department and given pledge cards and information about the charities that make up the CFC umbrella. Donors are urged to identify specific organizations they want to see receive the money.

FINAL HOME — Castle Air Museum officials at Castle Air Force Base near Merced, recently moved this B-47 Stratojet to its final home, a place of honor among historic aircraft at the museum. The B-47, restored to flying condition at China Lake by volunteers from the museum, Castle AFB and China Lake, flew from Armitage Field to Castle in July. The Castle Air Museum also boasts a B-29 Superfortress that was once a target on the China Lake ranges. The museum is open 10 a.m. to 4 p.m. daily.





Divine Services

PROTESTANT	
SUNDAY WORSHIP SERVICE	10:30 a.m.
SUNDAY SCHOOL (Annexes 1, 2, 4, and the East Wing)	9 a.m.
BIBLE STUDY (East Wing)	
Wednesday 11:30 a.m.	Sept. through June
Thursday 7:00 p.m.	Officer's Christian Fellowship Christian Military Fellowship
ROMAN CATHOLIC	
SUNDAY MASS	9:00 a.m.
CONFESSIONS (Sunday)	8:15-8:45 a.m.
COMMUNION SERVICE (Monday)	11:35 a.m.
DAILY MASS (Tuesday through Friday)	11:35 a.m.
CONFESSIONS (Friday)	4:30-5:00 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday) Sept. to May	10:30 a.m.
JEWISH	
WEEKLY SERVICES (Friday, East Wing)	7:30 p.m.
ADULT EDUCATION (Saturday, Annex 4)	9 a.m.
RELIGIOUS SCHOOL (Sunday, Annex 4)	1 p.m.

Chaplain J. Milton Collins, Capt. CHC USN
Chaplain A. J. Smith, Cdr. CHC USN
Chaplain C.R. Beede, Lt. jg. CHC USNR
Hearing impaired equipment available. Nursery available.
Phone NWC ext. 3506, 2773.

Scout District Council needs help

Nominations are also being sought for a District Chairman and members at Large for the Boy Scouts of America's Desert District, serving Kern, Inyo and Mono counties.

Anyone who is interested in these positions, or who knows of someone who would be interested, is asked to contact Judy Yates, Chairman, Nominating Committee, P.O. Box 1023, Ridgecrest, CA 93555, or by calling 446-7731 during the day or 446-4898 during the evenings or the weekends.

Wanda Church enjoys welcome she got at NWC

"My first day on the job at NWC was incredible. I couldn't believe the welcome I received — I was made to feel so much at home," says Wanda Church, secretary to the head of staff for the Ordnance Systems Department.

Her job "on the hill" at the China Lake Propulsion Laboratories is the first time that she's worked for the federal government. Prior jobs that she held elsewhere before she and her husband, Steve, a patent attorney in the Patent Counsel's Office at NWC moved here, were with a trucking company and with an insurance company.

"The first job I had when I got out of school in Knoxville, Tennessee (her native city) was being the customer service representative for a trucking company." This, she says, entailed locating lost shipments of commodities of all sorts and dealing with a lot of unhappy shippers. She worked for that company 12 1/2 years before she and Steve and their daughter Anne moved to Fresno.

At Fresno she spent more than six years

as the worker's compensation claim representative for an insurance company. "Again, I had to deal with people who were unhappy and who were concerned about getting the benefits that were due them, but I found the work satisfying because I felt that I could truly help them in a personal way," Mrs. Church says.

She adds that she enjoyed that job also because she was able to work with both the attorneys and the claimants, and she found the legal aspects interesting.

It wasn't until she began work at NWC, however, that she realized that she liked to interface with lots of people and that she did that well. "There's a lot of traffic in this office," she notes, "but, in comparison with the other jobs I've held, everyone here is very pleasant! It's a much more caring community."

Another fringe benefit of her current job is that she has begun taking computer classes and finds that she enjoys working with the computer. "I did some data entry into the computer elsewhere, but here,

thanks to the classes I've taken, I've been able to create and maintain several data bases for the department."

Lately, however, that free time has been limited some by their moving into a new house and getting settled. And, true to their enjoyment of the desert, they've decided on a "desert yard" in the back with some trees and native shrubs. In addition to being attractive, she notes, "It sure cuts the time you need to spend on gardening — and watering." And that means that there's a bit more time for her enjoyment of music.



HAPPY IN JOB — Wanda Church finds that she enjoys dealing with the wide range of people her job as secretary to the Ordnance Systems Department head of staff entails. — Photo by PH2 Rick Moore

CDC says mosquitoes carry many diseases

You've probably seen the headlines in supermarket tabloids: "AIDS Can Be Spread by Mosquitoes."

Like the stories in those same papers about dolls possessed by demons and babies being born pregnant, this one should be taken with a grain — or even a block — of salt.

Said Dr. Chester Moore, a scientist working in the Fort Collins, Colo., field office of the Centers for Disease Control who does research on insects and disease, "There may be some statistically small possibility of AIDS being spread by a mosquito — similar to the possibility of one of an infinite number of monkeys on infinite typewriters eventually typing Darwin's 'Origin of the Species'."

Why can't a mosquito give you AIDS if it can give you malaria? Said Moore, "The malaria organism grows inside the mosquito and is carried by the mosquito's salivary glands to a victim when it feeds. Although the CDC (Center for Disease Control) has scientists trying to see if the AIDS virus can live inside a mosquito, so far they've found no evidence that it can." In addition, mosquitoes normally digest the blood they take in before they bite again.

"We've been doing experiments to see if bedbugs are possible AIDS transmitters as well, but so far we've found that only once in 250,000 feedings could a bedbug get enough AIDS virus to infect someone. And even then, it's more likely to bite the same person that it got the AIDS virus from than someone else."

Moore said that so far, scientists have not found evidence that AIDS virus can grow in any animal except primates — monkeys and man.

Although there's little likelihood of getting AIDS from a mosquito, the little pests can still spread other dangerous diseases.

Military people and other persons traveling to the tropics are protected against the

most famous mosquito-borne disease, malaria, by vaccine. However, another mosquito-borne disease, dengue (pronounced dengay) fever, is not yet under control. There are four types of dengue fever, simply referred to as dengue I through dengue IV. Moore said there are not clear-cut differences in the symptoms of the different types of dengue virus and the symptoms once ascribed to dengue II, III, IV may be the result of the person being infected with two different types of dengue within a short time period. A blood test is necessary to tell the different types apart.

Dengue is similar to a very severe case of the flu — with a couple of differences. For one thing, said Moore, "You feel like someone is trying to push your eyes out from the other side." Another symptom, found in about half of dengue patients, is a measles-like rash. Dengue sometimes causes hemorrhaging — profuse internal or external bleeding.

Dengue is prevalent in Asia, Latin America and Africa. Army researchers at the Walter Reed Army Institute of Medical Research on Infectious Diseases and the U.S. Army Medical Research and Development Command, Fort Detrick, Md., have been working on a vaccine against dengue, but have been having difficulties in finding a formula which will protect against all four types. The four types are about equally common.

By Evelyn D. Harris
American Forces Information Service

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)

Youth soccer encounters continue on Saturday

Sixteen games were on tap last Saturday as the NWC Youth Soccer League opened its third week of play for the fall season. Games continue on Saturdays through Nov. 22.

Division One

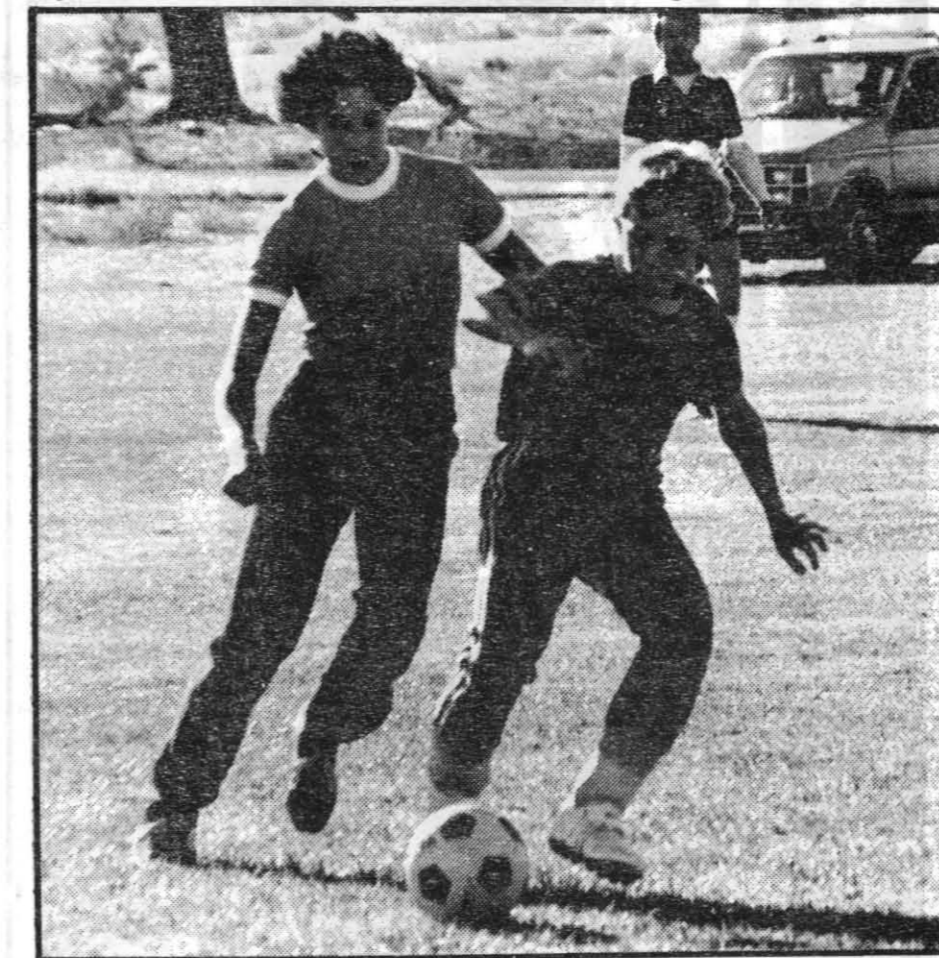
Fury 3, Owls 0
Thomas Martin, Ronald Green and Corey Gartner accounted for the scoring in the win by the Fury. Adam Schoenberg had an outstanding game for the Owls as did John Hoepke and Andrew Benson.

Cobras 1, Coyotes 0

The lone goal in the game was scored by David McCulley. The defensive star for the winners was Jeremy Ellingson. John Read, Shane Summer and Jason Swing paced the Coyotes in the defeat.

Rowdies 2, Bandits 0

The Bandits were three people short, but put up a stiff struggle. Justin Martin and Jamie Critchfield were leaders for the Bandits. Chris Branson and David Verbeck did the scoring for the Rowdies with help



MOVE ASIDE — Two athletes in the NWC Youth Soccer League go after the same ball at the same time — something has to give.

from Monique Robertson and Blake Hard-en.

Eagles 1, Sun 0

Meg Frisbee in goal blocked the potential winning kick as the Eagles used a solo goal by Nick Charlton to nip the Suns. Tim Best as goalie and Anjel Avitia on offense led the Sun in this rugged battle.

Express 2, Roadrunners 0

Goals by Pete Greedy and Willie Raymond were what the Express needed to edge the Roadrunners. Kurt Katzenstein blocked all the shots-on-goal. The losing team was paced by Vincent LaBlanc, Steve Shultz and Chris More. Their coach said they showed great improvement.

Chiefs 1, Apollos 0

In another shutout, the Chiefs used one goal, scored by Andrew Gates with assists from Jeremy Weigert and Kate George, to win. The Apollos got good goal play from David Rollingson and offensive leadership from Galen Wilson and Dan Dowling.

Division Two

Drillers 3, Blizzard 0
Neil Covington scored all three goals for the winners, while Erick Wunderlich stopped the only goal attempt by the Blizzard. Kendra Sharon and Jessie Lewis made some tremendous stops for the Blizzard squad.

Sockers 1, Timbers 1

Vasken Haroutianian had the lone goal for the Sockers, just before the game ended to force the tie. Carl James scored to give the Timbers a lead for a while. Both teams played outstanding defensive soccer.

Strikers 4, Lancers 2

Tory Flores had two goals in the first half and Greg Greedy scored twice in the second half for the winners. Mark Castillo notched both goals for the Lancers, who also got strong defense from Richard Martin.

Aztecs 1, Earthquakes 1

Renee Armstrong accounted for the only goal for the Aztecs. The Earthquakes scored first on a goal by Ryan Lilly, but

couldn't hold on. Tracie Thornberry and Warren Riehm were also offensive leaders.

Cosmos 2, Sting 0

Led by Melissa Murphy's best game of the season, the Cosmos used goals from Michael Hobson and Joe Mechtenberg to take the win. Michael Grise and Jason Bowling led the offensive efforts of the Sting team in the loss.

Division Three

Diplomats 4, Kicks 2
Jonathan Ray and Sean Williams ripped the defense for two goals each in leading the victorious Diplomats' effort. Todd Redmond, Tom Ruane and Michelle Murphy were leaders for the Kicks in the loss.

Sounders 6, Roughnecks 1

The short-handed Roughnecks were no match for the Sounders. Mike Degues and Kevin Charnetsh were pace setters in the loss. Mike Ogren ripped the Roughnecks with four goals and Doug Banks added two more.

Tornadoes 4, Surf 2

A solo goal by David Renner and three scores from Garrett Katzenstein were all the Tornadoes needed. The Surf picked up goals from Miles Ross and Dennis Sarrett in the hard fought youth soccer encounter.

Whitecaps 4, Rogues 1

Two big goals from Damon Kelling keyed the Whitecaps win. Jerry Green and Ben Lee added the other scores for the winners. Brett Wood led an offensive game that included a goal by Eric Armstrong for the Rogues in the loss.

NEX News

Old man winter brings higher energy bills — so the Navy Exchange is featuring a home improvement sale to help cut down those energy costs.

Sunday will also be the time of another Super Sunday Sale at the NEX, with early bird specials featured from 10 a.m. until noon for anyone who really wants to make his or her money go far.

Gator work brings honor for China Lakers . . .

(Continued from Page 1)

duction to full-scale production.

DeMarco noted the development team remains together after initial work is completed, to work on PIP efforts. The Center's Engineering Department takes control of a project when ready for production.

Irvine noted in an evaluation of the Gator System, after initial development it was determined that there was no reason to pay for expensive numerical controlled machining of an end plate whose main function was to provide structural integrity as well as proper ballast to the weapon. It was, said Irvine, "an obvious place to start" with routine value engineering efforts aimed at lowering production costs.

The letter from Secretary Weinberger reads, in part, "This remarkable achievement represents a substantial contribution to more efficient government operations. Improved productivity is vital to the defense and economic well-being of our nation. Contributions such as yours support my conviction that every civilian employee and military member can play a major role in improved government service."

Hannon noted he and Neal looked at a variety of different processes and a number of materials in an attempt to come up with an end plate capable of replacing the machined part. It had to be strong and yet had to weigh enough to provide proper ballast to the Gator round.

Castings in general require very little machine work to meet final dimensional tolerances and are considerably less expensive than machining each end plate from a solid plate or forging. In the end, cast iron was determined to be the best material to use.

Don Herigstad, branch head for Weapons Systems Branch "A," said the team had to

strive for a casting design that would result in a product that was almost to final dimensions to realize the maximum cost savings.

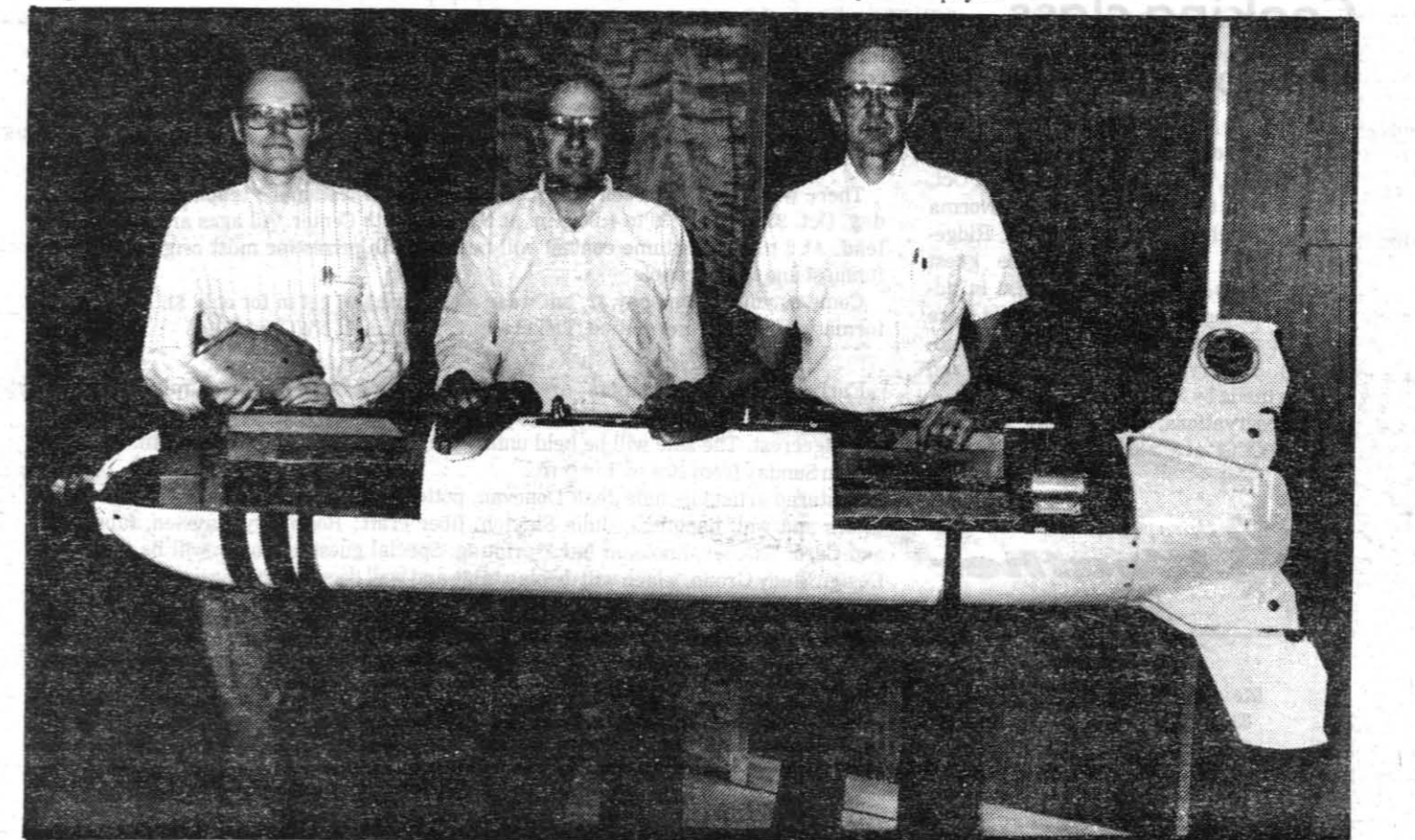
Irvine said machined end plates cost the government more than \$330 each. Casting them, including tooling expenses, brought the price down to about \$60 each and it

should go lower if the tooling can be reused by the contractor.

Herigstad and DeMarco also noted that the Gator Weapon System, a Tri-Service project under Army procurement control, was being looked in its entirety in seeking cost savings. Lundwall, Hannon and Irvine said this was just the first of several parts

to be reexamined, as well as the most obvious saving to be implemented since Gator production began.

Secretary Weinberger added in his letter, "I hope you will continue to look for ways to accomplish our mission more effectively and . . . reduce costs to the American taxpayer."



GATOR PROJECT — James Irvine, Neal Lundwall and J. Walter Hannon display the cast iron end plates developed for the Gator Triservice Mine Dispenser (foreground). The newly designed cast iron plate pro-

vided a substantial cost savings compared to the original machined end plate for this weapons system, bringing the trio recognition from the Secretary of Defense.

NWC Rocketeer

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Top Scorpion team captures GESL championship

Coming from behind for a 3-1 victory against the Bakersfield Lasers, the Ridgecrest Scorpions under-19 soccer team clinched the 1986 Golden Empire Soccer League title last Saturday in front of their home-town fans at Murray Junior High's soccer field.

Coach Karl Kauffman called this game "90 minutes of the most intensely physical and emotional game that under-19 soccer could be."

This is the first year in GESL competition for the Scorpions and they upset the defending champions Lasers twice this season and boast a perfect 6-0 record with two

games left in the season. The second place Lasers are now 3-3.

The visiting Bakersfield squad drew first blood, knocking the ball over the Scorpions goalie 10 minutes into the first half. The home team had trouble, for about 15 minutes, getting the ball into the Lasers

end of the field.

When the Scorpion managed to shake themselves out of the doldrums, Armando Valdivia snuck in for a quick goal 25 minutes into the half and roared back just four minutes later for what proved to be the

winning goal as the under-19 Scorp took a 2-1 advantage to halftime.

The first goal came when Bill Hugo took a pass from Chris Johnson and set up Valdivia's score with a quick pass near the penalty spot. Four minutes later a long pass from Scott Hannon found Valdivia in the penalty arc and he put it away.

An insurance goal midway through the second half came when Johnson recovered a shot on goal by Valdivia that was blocked and knocked it past the Laser goalie.

League champion Scorp close their season with a doubleheader tomorrow in Bakersfield West High.



Sports

Ziegler's play boosts victory in home clash

Behind a three-goal performance by Matt Ziegler, the Scorpions under-16 soccer team were easy victors, 6-2, against the Bakersfield Roughnecks last Saturday in Golden Empire Soccer League competition.

Just seven minutes into the game, Ziegler set the pace with a breakthrough goal into the right corner of the net.

The fast-paced game found Matt Mechtenberg, Matt Verbeck and Ziegler adding additional goals before the half as the Scorpions held a 4-0 lead.

Second half play found the Roughnecks taking temporary control of midfield, then unleashing a series of attacks on the Scorp goal. Jeremy Osburn had a fine game in goal, turning back most of the Roughneck's attempts. Ziegler's third goal came late in the second half for a 5-0 advantage.

After two goals in a five minute span for the Roughnecks, the under-16 team responded with their final effort, a goal by Tom Caves, assisted by Ziegler with only a few minutes left in the game.

Tomorrow (Saturday), the Scorp will be in Bakersfield for a doubleheader at West High School. They will face the Sting at 10 a.m. and the Bears at 1 p.m.



BLOCKED — He had to lunge for it, but the Scorpion goalie averted this goal try by the visiting Bakersfield Lasers last Saturday. The Scorp were easy winners to cop the GESL title.

General trout season ends just two weeks from now

Trout fishing in most lakes and streams of the eastern Sierra region will end in just two weeks. Because of the weather, the time left in the season and the number of catchable size trout available from hatcheries, only Bishop Creek is still being planted with trout at this time.

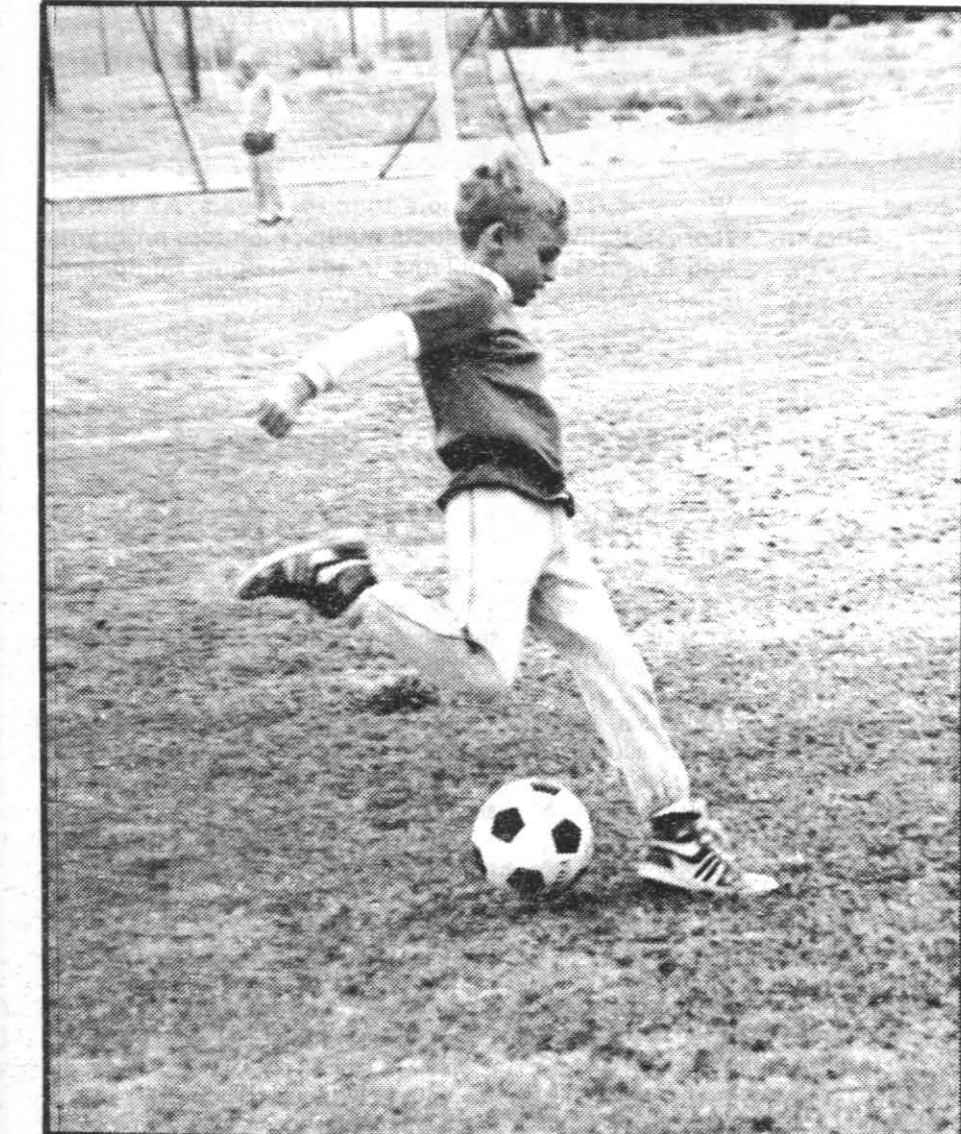
Anglers fishing the lower Owens River should be prepared to do battle with mosquitoes for a while longer yet. The insect problem has largely passed with the onset of cold weather in the high country. Anglers can expect temperatures to dip below the freezing mark at night in elevations above 6,000 feet.

Bishop Creek is the best area for anglers seeking limits of pan-size fish. Fewer trout are being taken by anglers in the high country lakes and in Lone Pine Creek.

Fly fishing still brings decent results in some parts of the south fork of Bishop Creek, lower Rock Creek and Crowley Lake. Anglers using flies also have had fair results on Hot Creek near Mammoth and Reverse Creek in the June Lake Loop.

Deer hunters and anglers should remember they are sharing some of the same wildlife habitat in the back country. Deer season ends this weekend for parts of the eastern Sierra region, but continues elsewhere. In the Lone Pine, Independence and Lee Vining areas many of the lakes and streams off the highway attract deer hunters as much as they do anglers.

Trout season in the eastern Sierra will open from Independence Creek south in March. Topaz Lake, on the Nevada border, opens Jan. 1.



KICKING TIME — Division Two action in NWC's fall Youth Soccer League finds a member of the Timbers about to put his foot into the ball as he moves toward the opposition goal.

Youngest Scorpions again wind up with deadlock

Under-14 Scorpions can't seem to escape tie games. The youngest Scorpion team battled a Golden Empire Soccer League foe to a tie for the fourth time in six games this fall when they tied the Bakersfield Revolution team 1-1 last week.

The Scorpions, playing at China Lake's Davidove Field, dominated play from the start, but neither team could punch the ball into the net during the entire first half of action.

Forty-nine minutes into the game the visitors scored first when a blocked kick was recovered and sent home by the center.

The Scorpions bounced back for the tie at

the 61 minute mark, just nine minutes before the end of the contest, as Philip Johnson scored off a Ted Mechtenberg pass.

Coach David Watt says the team showed improvement in aggressiveness and passing in recent games. He noted they spent the last nine minutes in the Revolution end of the playing field but just couldn't muster the offense to push the winning goal into the net.

Tomorrow the young Scorpions face the unbeaten and league-leading Bakersfield Express in a 1 p.m. game. They return home to face the Outlaws in a 1:30 p.m. game on Saturday Oct. 25.

All personnel welcome at retirement

All Center personnel are invited to attend the retirement of Capt. John W. Patterson to be held at the Administration Circle on Tuesday, Oct. 28 at 4:15 p.m. This will be followed by a retirement party at the Commissioned Officers' Mess immediately after the ceremony, with presentations to be made at 6:30 p.m.

Capt. Patterson has held a number of jobs at NWC since first being assigned here in 1978 as Associate Department Head for Anti-Surface Systems in the Weapons Department. Following that, he was Chief Staff Officer until he left to become Commanding Officer of the Naval Ordnance Missile Test Facility at the White Sands Missile Range in New Mexico.

Following an assignment in Washington, he returned to NWC as Commanding Officer Enlisted Personnel in March 1985. Since that time, he has also served as head of the Aircraft Department and then was moved to become Deputy Laboratory Director in March. He served as Commander of the Center from June 27 until Capt. John Burt relieved him in August, at which time he again became Deputy Laboratory Director.

Those who plan to attend the retirement party are asked to telephone Kathy Trigg in the Protocol Office at NWC ext. 1387 to make a reservation so that name tags can be prepared in advance. Those who wish are also asked to send a \$5 check in advance to defray party expenses; others can pay at the door.

Heavy hors d'oeuvres will be served during the social hour.

Old Crows meet next Tuesday

Frank Armogida from the EW Analysis Branch of the Electronic Warfare Department will discuss the "Strike Electronic Warfare Simulator (SEWS)" at a meeting of the Association of Old Crows on Tuesday.

The technical meeting, classified secret, will take place in the Michelson Laboratory Auditorium, Room 1000D. Registration (with refreshments being served) will take place at 5 p.m., a call to order follows at 5:15, with the presentation to begin at 5:30 and the meeting to conclude by 7 p.m.

Crows and guests who are interested in attending and have the required security clearance are asked to contact Mike Stallard, president of the group, at NWC ext. 3900 no later than noon on Monday.



GRADUATES — China Lake's chapter of the Navy Relief Society (NRS) conducted training classes for potential volunteers recently. Those completing the course and NRS officials met at the home of Capt. John Burt, NWC Commander, for a luncheon marking graduation day from the class. Pictures are (from left)

front row: Anne Powers, chairman of volunteers; Renee Phillips; Joan Sigurdson; Rebecca Traxler; and JoAnn Thomson. Back row: Polly Ferraro, Nancy Allen, Carolyn Hunsicker, Sherryn Reece, Jean Spies, Sally Morgan, Chris Johnson, Mary Burt, Amanda Woodside and Virginia Jacobs.

Goal is to reduce energy demand

Highlighting Energy Awareness Week at China Lake this year will be a load shed exercise during the week of Oct. 20-24 to see how much employees and residents can reduce the demand for electric energy.

Public Works Department employees will be monitoring power consumption constantly during the load shed exercise to record the amount China Lakers are able to reduce the demand for electricity by turning off unnecessary electrical devices.

This, noted Major Pinion, head of the Energy Control Branch, is an effort to bring energy conservation to the forefront for at least one week during the year. Employees and residents are asked to take every possible step to cut energy consumption.

Utility bills consume a large part of the China Lake budget each year. In Fiscal Year 1986 the costs came in at about \$10.7 million compared to \$10.3 million in FY 1985. While this represents more than a three-percent increase, it was largely due

to construction of major new facilities including the Trident Missile Test Facility, Range Operations Instrument Laboratory, Advanced Seeker Building, the Ordnance Assembly Building and many other smaller new buildings. NWC has expanded its physical base by about 5.6 percent in terms of occupied office space, but the energy costs have risen only about 3.8 percent, bringing the Center close to the Navy goal of a two percent annual reduction in energy costs.

During Energy Awareness Week, publicity in the Rocketeer and NWC Announcements will be supplemented by a Center-wide poster campaign encouraging energy conservation and a traffic circle billboard reminding residents and employees to curtail energy use whenever possible.

Pinion noted all employees should be aware of the need for energy conservation on a routine basis and stressed the load shed exercise is above and beyond normal conservation efforts.

Coffee pots, lights, personal computers and all non-essential electrical equipment should be turned off when not in actual use during the load shed exercise. Lights should be turned off whenever a room is unoccupied and personnel are asked to take extra care to be sure everything is secured before leaving for the day.

Efforts by Pinion and the Energy Control Branch led to changes on how utility companies billed the Navy for energy consumed on-Center, resulting in the savings of millions of dollars on a long-term basis.

Good energy management is important to the Navy and to people in the Navy. This is the Ninth Annual Awareness Week for the Navy; its success, in enhancing the awareness of the need for energy conservation and the load shed exercise that can actually save money, give China Lakers a chance to show they understand and appreciate the need for continued conservation measures.

COTR earns perfect score

Rosemarie Fabiano of the Foreign Military Sales Support Activity in the Aircraft Weapons Integration Department made a perfect score in her training class to become a Contracting Officer's Technical Representative (COTR) recently.

Ed Craemer of the Long Beach Regional Contracting Center pointed out that most of the students at China Lake scored very high marks, but there was only one perfect score on the work covered during three days of intensive training.

The course work includes contracting regulations and instructions, contract law

and types of contracts. Attendees also receive instruction on standards of conduct, Government property, personal services and contracts with contractor personnel.

Craemer noted the Supply Department's addition of a Central COTR Coordinator's Office is a progressive move at a time when the management of contracts is receiving national attention.

Anyone wishing more information about COTRs and training classes should call Bill Lalor, NWC Central COTR Coordinator, at the Management and Policy Office, Code 25204, NWC ext. 2043 or 2087.

IEEE to tour Simulation Lab

Wednesday's meeting of the China Lake Section of the Institute of Electrical and Electronic Engineers will consist of a tour of the NWC Simulation Laboratory, including both the computer and Hardware-in-the-Loop facilities. Conducting the tour will be Jim Annos, who discussed these fa-

ilities at the September meeting of the group.

Those interested in seeing the Code 39 Simulation Laboratory should meet in the lobby of Michelson Laboratory no later than noon for the hour-long tour.

No provision for lunch is being made.



PERFECT SCORE — Rosemarie Fabiano receives her COTR certificate on completing a course held at the Training Center. Presenting her the certificate is instructor Ed Craemer (on the right) and they are joined by Bill Lalor, Central COTR Coordinator at NWC.

VX-5 at China Lake more than three decades



Since its formation in 1951, Air Test and Evaluation Squadron Five's (VX-5) mission hasn't really changed. It has grown, but it still comes back to a mission to operationally test new air-to-surface weapons systems and evaluate initial tactics for those systems.

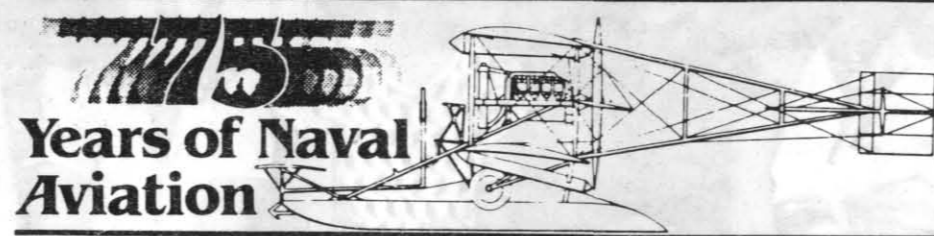
The squadron places a high priority in maintaining the delicate balance between developmental testing, independent testing and the continuing requirement for technical interchange between the Naval Weapons Center and VX-5.

The most evolutionary part of the squadron's three-pronged mission is the support it gives the Navy's renaissance of strike warfare development. The Vampires assist in developing proper tactics and proper employment of weapons systems along with Strike Warfare Center at Fallon, Nev. and Marine Aviation and Tactics One in Yuma,

Ariz. VX-5 has been part of China Lake since July of 1956 when the squadron moved here from NAS Moffett Field with Capt. F.B. Gilkeson as Commanding Officer.

When the Vampires conduct operational tests on new weapons systems the emphasis is one "system." Such tests include logistics support, check lists, evaluating operational flight programs, technical manuals and all facets of using and maintaining a weapons system in a fleet environment.

VX-5 began its existence with 15 officers, 100 enlisted personnel and nine AD-1 Skyraiders. Today, the squadron flies at least eight different types of aircraft, ranging from A-4 Shyhawks to F/A-18 Hornets, the Navy's newest aircraft and is now more than 200 members strong.



China Lake Police Reports

An alert good neighbor in a residence on Stroop resulted in a burglar being caught. The neighbor called police to report that a male juvenile had entered the other house and gave sufficiently good information so that police, who reached the house after the suspect had left, were able to apprehend him. The 16-year-old boy confessed and all items taken were recovered.

Last Friday someone working in Thompson Laboratory received a telephone call threatening the victim's life.

Under investigation is a report that a baby-sitter spanked a four-year-old hard enough to leave bruises on the child's buttocks.

Two instances of trespassing on Center lands were reported this weekend; in both instances, barbed wire was cut to allow access to remote areas of Navy property.

When one driver northbound on Aviation Boulevard at Armitage Airfield made an unlawful left turn in front of another vehicle, a traffic collision resulted. No one was injured, but one vehicle suffered major damage and the other suffered moderate damage.

An employee of the Patent Counsel's office reported that money had been taken from her purse while she was at work.

When an industrial vehicle was backing near Building 00115 and the road gave way, minor damage resulted.

The price of an exhaust muffler is sufficiently high that the muffler removed by unknown persons from Warehouse 64 is listed as grand theft.

Two neighbors in the Center's housing area got into a verbal hassle. When police arrived to settle the peace disturbance, they found the two had already stopped the disturbance.

Cost to taxpayers will be about \$2,500 to restore an insulator on an electric power pole on the Randsburg Wash Road to its original condition after someone shot the insulator.

A man from North Bend, Oregon who drove through the Christmas Canyon gate at a high rate of speed was caught by officers and issued a letter of trespass before being released.

A head-on collision on the Pinyon Mountain Road about 2 1/2 miles from the South 40 area fortunately did not result in any injuries to those within the vehicles.

Another non-injury traffic collision occurred at the intersection of King and Dibb. The driver of one vehicle failed to stop at the stop sign and struck; the vehicle that was struck was moving in another direction.

Officers observed a hit-and-run traffic accident near the parking lot of the Enlisted Mess. While checking out the driver, they discovered that the driver had a warrant outstanding out of Bakersfield, so they arrested the driver and transported him to the Ridgecrest jail.

A small black and white dog was hit by a car; animal control picked up the animal and took it to the Ridgecrest animal shelter.

A resident of Center housing on Ticonderoga Avenue reported that an unknown vandal opened his car door and threw a raw egg on the dashboard.

At 1:55 a.m. police making a traffic stop at Lauritsen and King discovered the driver was under the influence of alcohol. The driver spent the next several hours at the China Lake police station sobering up before being cited into East Kern Municipal Court and released.

When police made a traffic stop, they discovered that the 17-year-old male driver was unlicensed.

A non-injury traffic collision resulted in the north parking lot of the Pan Am training center when one vehicle, while backing, struck another vehicle and caused moderate damage.



WORK HONORED — Walter Koerschner, a visual information specialist in the Technical Information Department, shows the latest of the pictures that he has had accepted by the Air Force Art Program. Artists whose work is accepted each year gather at Bolling Air Force Base for official presentations and to display their works. The Air Force Art Program has been in operation for 36 years.

Volunteers being sought

United States Department of Education estimates indicate that currently there are more than 23 million functionally illiterate adults in the United States and that this number is growing each year. Functional literacy is the ability to comprehend, write and compute at a level that will meet life situations such as completing an application or using public transportation.

Since 1983, a national drive has been underway to promote adult literacy in this country. As one of the many federal responses to the literacy initiative, the Department of Education has been given

the lead in recruiting federal employees as volunteers to service in the Federal Employees Literacy Training Program.

Those who wish to volunteer to become tutors, perform clerical work needed for literacy programs or to handle any of a wide range of other tasks needed are asked to write to: Dr. Samuel B. Kermonian, Attn: Ms. Kathleen A. Zierolf, Department of Education, 50 United Nations Plaza, San Francisco, CA 94102. The telephone number, for those who wish further information, is (415) 556-4570.

Platzek to discuss VLA

Harold Platzek will discuss the vertical launch ASROC motor development at the October lunch meeting of the American Institute of Aeronautics and Astronautics on Friday, Oct. 22, at the Drydock Room of the Enlisted Mess. All interested persons are invited to attend.

Platzek, who has been employed at China Lake since 1954 as an aerospace engineer,

has been involved in a variety of rocket motor development programs including vertical launch ASROC, the laser guided weapon, integral rocket ramjet and Sidewinder.

More information can be obtained by telephoning Ken Katsumoto at NWC ext. 7233.

Unauthorized selling or recruiting discouraged

Active duty military members and civilian employees who are selling and recruiting co-workers to sell term insurance could "get into big trouble" for violating Department of Defense Standards of Conduct and commercial solicitation regulations, according to top Pentagon officials.

The DOD Inspector General is investigating complaints from "various sources, including congress-people, about military people selling to military people," said an Inspector General spokesman.

"The complaints involve unauthorized solicitation on DOD installations, coercion by senior military personnel in selling insurance to junior personnel, use of personnel files to gain information for insurance sales and failure to comply with state insurance regulatory requirements," reads the memorandum to service secretaries from DOD Deputy Inspector General Derek

J. Vander Schaaf on the topic. Vander Schaaf asked that insurance sales practices be reviewed at all installations "in order to protect military personnel and their dependents from improper sales . . . and to determine if agents are violating DOD regulations."

The complaints that sparked the Inspector General's investigation involve the A.L. Williams Company.

"The company has an aggressive sales program and has been very successful in

recruiting military personnel as sales agents," said Vander Schaaf's memorandum. "The sales program operates as a 'pyramid' whereby each level receives a part of the sales proceeds."

"This can present a problem for military members and civilian employees," said Stephen Whitlock of the DOD General Counsel's office. "If you're clean yourself, you can receive benefits from someone who is not clean."

Military members can get into trouble for

violating the DOD Standards of Conduct whether they're selling vitamins, soap or insurance. The case is more serious if they become involved in coercion.

"The amount of trouble they get into depends on the circumstance," he continued. "Say a lieutenant colonel tells all the privates at an inprocessing station, 'Okay, it's time to buy insurance from me.' That's serious. The action taken in response to such violations depends on the seriousness of each case and will usually be determined by the base commander."

"Any military or civil personnel who are involved or contemplating getting involved, should review the Standards of Conduct and commercial solicitation regulations to protect themselves," said Whitlock. "They should also be aware that some particular sales activities are subject to state and federal regulations."



Military News

Standdown scheduled for Center

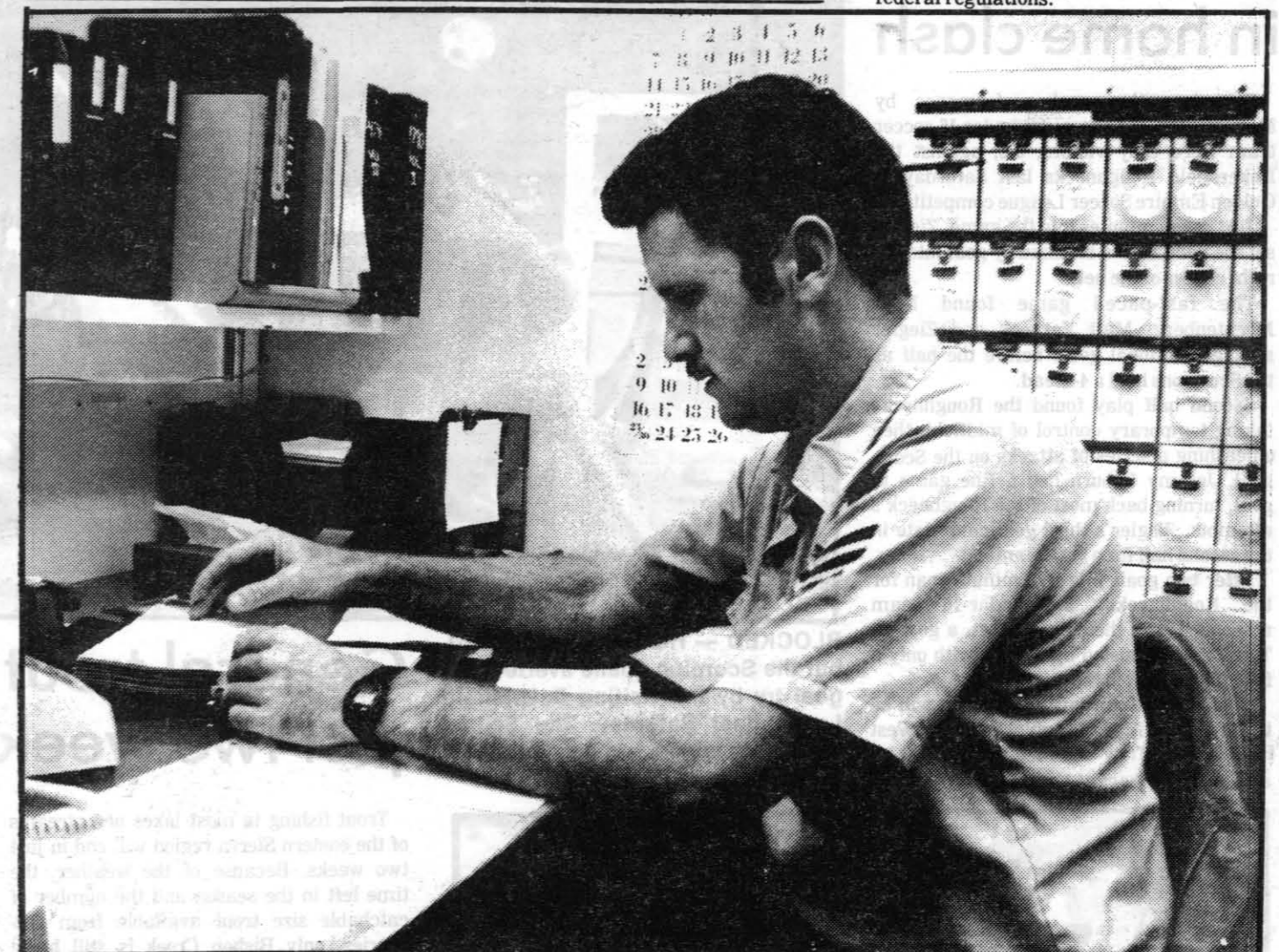
Military personnel assigned to the Naval Weapons Center will take part in a mandatory Drug and Alcohol Standdown on Wednesday, Thursday or Friday of next week. Participation is also open to tenant command personnel and all military dependents.

This seminar is scheduled from 7:30 to 11:30 a.m. Wednesday, Oct. 22; Thursday, Oct. 23; and Friday, Oct. 24 in the Station Theatre. NWC personnel will be scheduled to attend the seminars through their chain of command.

Topics covered will include Navy policies and procedures, physical and psychological consequences of abuse, legal and career consequences, availability of counseling and rehabilitation programs along with information on area abuse and law enforcement situations.

An additional seminar will be held Thursday, Oct. 23 for supervisory personnel (E-5 and above) where the role of Navy leadership in prevention and control drug and alcohol abuse will be discussed. They will also receive information on how to identify abuse problems and referral procedures and alternatives for personnel.

Anyone other than NWC military personnel interested in attending either seminar is asked to call ACI Tina Evans at NWC ext. 2165.



ANOTHER HITCH — AS1 John McMurry, quality assurance (QA) representative for the Aircraft Department's Ground Support Division, recently signed up for another tour of duty with the Navy. A 15-year veteran, Petty Officer McMurry has been at the Naval

Weapons Center for more than four years. As the QA representative he conducts audits, monitors programs and investigates problems in the Support Equipment Division of the Center's Aircraft Department.

Mail early for holidays

Mailing early and correctly is the key to successful holiday mailing. Parcels will arrive at their intended destination in good shape if a few simple guidelines are followed.

Make sure contents are well cushioned and there is no empty space in the box. Use crumpled newspaper around the item — including all sides, the top and bottom.

Close the parcel with one of the three recommended types of tape — pressure-sensitive, nylon-reinforced kraft paper or glass-reinforced pressure-sensitive. Don't use cellophane tape or masking tape. Brown paper and twine are not necessary to wrap the carton. Paper can rip and twine can become entangled in mail processing equipment.

Persons sending cards and packages overseas from the continental United States should mail them on or before the following dates:

Destination	Priority Mail	Letters	Parcels		Surface Mail
			Airlift Space Available	Surface Mail	
Africa	1 Dec	1 Dec	10 Nov	3 Nov	3 Nov
Alaska	8 Dec	8 Dec	1 Dec	24 Nov	24 Nov
Hawaii	8 Dec	8 Dec	1 Dec	24 Nov	24 Nov
Australia	24 Nov	24 Nov	10 Nov	3 Nov	17 Oct
Caribbean/West Indies	8 Dec	8 Dec	24 Nov	17 Nov	17 Nov
Central and South America	24 Nov	24 Nov	15 Nov	3 Nov	31 Oct
Europe	5 Dec	5 Dec	24 Nov	14 Nov	31 Oct
Far East	5 Dec	5 Dec	24 Nov	14 Nov	17 Oct
Greenland	1 Dec	1 Dec	24 Nov	17 Nov	31 Oct
Iceland	8 Dec	8 Dec	24 Nov	17 Nov	31 Oct
Mid-East	28 Nov	28 Nov	3 Nov	27 Oct	27 Oct
South and East Asia	24 Nov	24 Nov	7 Nov	3 Nov	17 Oct

* Parcel Airlift ** Surface Airmail

Federal law may protect sailors from harrassment

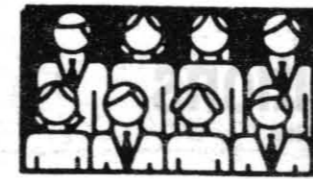
WASHINGTON (NES) . . . We all are obligated to pay our debts in a timely manner. For Navy people, failure to do so may result in disciplinary or administrative action, or separation. If you are experiencing financial difficulties, you can get counseling through Navy Relief, Navy Family Service Centers, consumer groups, credit unions and banks.

But what if you are harassed by debt collectors? The Federal Fair Debt Collection Practices Act and similar state statutes limit debt collectors' actions. However, these laws don't cover all debts and debt collectors. Check with an attorney to see how these laws affect your rights.

In general, debt collection acts protect consumers from unfair, harassing and deceptive practices by debt collectors and also protect the rights of lawful debt collectors.

The Federal Fair Debt Collection Practices Act does not allow debt collectors to:

1. communicate with you at an unusual time or place or a time or place that collectors know or should know is inconvenient for you;
2. communicate with you at your job if collectors know or have reason to know that your employer prohibits you from receiving such communications;
3. contact third parties such as neighbors, relatives or employers, except with your consent; court order; to obtain or verify certain information about you without revealing to people that the information is for debt collection purposes; or to satisfy an unpaid court judgment against you;
4. use false or misleading representations or unfair practices; or
5. engage in conduct that results in harassment, oppression or abuse of people in connection with the collection of a debt, including: using or threatening violence or other criminal means to harm people, their property or reputations, or to use



NWC's 1986 graduates of California State University of Chico



NWC's 1986 graduates of Cerro Coso Community College



NWC's 1986 graduates of California State College, Bakersfield

PROMOTIONAL OPPORTUNITIES

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

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

No. 00-027, Management Analyst, DA-343-3/DP-343-3, Code 02A2 (multiple vacancies) — This is a detail assignment not to exceed one year and may lead to permanent assignment. These positions will be supporting the Center's Model Installation Program initiatives. The staffing may include rewriting, researching appropriate regulations, instructions, etc. and presenting the results to command. **Knowledge:** of several administrative fields (budget, personnel, supply, etc.). **Abilities:** to communicate verbally; to communicate in writing; to analyze complex administrative problems and develop appropriate well thought-out solutions or alternatives. Applicants are encouraged to address each of the elements on a separate sheet of paper. Promotion potential to DP-3.

No. 08-064, Management Analyst, DP-343-3, Code 0825 — Position is located in the Central Staff, Management Division, Plans and Programs Branch. The branch programs include all Navy manpower programs such as NAVMEPS, CA, ER and Internal Controls; performs organizational and efficiency studies and reviews for NWC functions; provides advice and consultation on impact, implementation and proposed policies impacting manpower programs. Position is lead analyst and program managers for the CA program. **Abilities:** to communicate effectively with individuals at all organizational levels on and off-Center both orally and written; to lead and coordinate complex study efforts; to manage a program. **Knowledge:** of Navy manpower and personnel programs; and familiarity with the NWC organization. Promotion potential to DP-3.

No. 08-063, Management Analyst, DA-343-1, Code 0808 — This position is in the Special Programs Group, Training Coordinator Office, Central Staff. This position provides incumbent with broad exposure to analysis projects and management problem areas. Incumbent will gradually assume increasing responsibility for parts of full-scale studies or for researching and analyzing tasks, briefing results and providing necessary documentation for entire studies/projects of limited scope with some supervision. Incumbent is expected to provide support to the training coordinator as well as assume a lead role in coordinating and teaching one or more classes (Code 08 Orientation and/or Overview, etc.). **Ability:** to make effective oral presentations; to

analyze complex problems and verbally present results; to draft text materials, analyze and organize presentations or events. Promotion potential to DA-3.

No. 08-061, Mail/File Clerk, GS-305-3/4/5, Code 0852 — This position is located in the Mail, File and Records Branch. Incumbent will work in the central mail unit of the Naval Weapons Center and is concerned primarily with processing of registered mail and assisting in maintaining records for all secret material on Center. **Abilities:** to index and file; to work independently; to work effectively with others. Promotion potential to GS-5.

No. 08-062, Payroll Clerk, GS-544-4/5, Code 0853 — This position is located in the Payroll Branch of the Customer Services Division, Central Staff. The incumbent performs routine research of payroll records to correct leave data; prepares changes to employee earnings, deductions and leave records; and prepares reports of leave and earnings data. **Abilities:** to plan, organize and accomplish work independently; to work rapidly and accurately under pressure of short deadlines; to interpret and apply regulations; and to interact tactfully with all levels of NWC personnel. Promotion potential to GS-5.

No. 26-069, Housing Manager, DA-1173-2/3, Code 2652 — Temporary promotion NTE 1 year. This position is located in the Facilities Management Branch, Housing Division of the Public Works Department. The incumbent directs the Facilities Management Branch, exercising management control over government owned housing units located within the confines of NWC. Responsibilities of the position include the following: monitoring housing maintenance and repairs, planning rehab and improvement programs, conducting tenant check-ins and check-outs, providing budget inputs, supervising tenant improvement projects and the self-help program, handling complaints on occupancy and dwelling programs, conducting inspections, reviewing service chits, handling interior painting schedule, developing contract proposals and monitoring contracts in progress. **Job Relevant Criteria:** knowledge of general housing policies at NWC; knowledge of housing planning requirements; knowledge of regulations governing assignment of quarters; knowledge of procedures for dealing with tenant complaints; knowledge of maintenance principles and

standards; ability to monitor contracts and develop contract proposals; ability to supervise, including willingness to carry out EEO responsibilities. If filled at the DA-2 level, this position has the potential to DA-3 but is not guaranteed. **Note:** Permanent promotion may be made at a later date as a result of this ad.

No. 26-070, Supervisory General Engineer, DP-801-3, Code 2673 — Performs the duties of head, Indefinite Quantity Branch; is responsible for the monitoring of NWC indefinite quantity/construction contracts; extensive interfacing with current and prospective contractors performing construction under various NAVFAC indefinite quantity contracts. **Job elements:** knowledge of PW organization and procedures; of indefinite quantity/construction contracts and quality assurance practices; understanding of NWC personnel policies, procedures and ability to support NWC EEO policies and goals. **Ability:** to interpret technical specifications and analyze contractor performance against specifications; to recommend corrective action on contract discrepancies; to work well with all levels of management; to communicate effectively orally and in writing.

No. 26-065, Air Conditioning Equipment Mechanic Foreman, WS-5306-10, Temp. NTE 1 Yr., Code 26429 — This ad corrects the ad that closed 10-14-86, which was advertised as a WS-11 and should have been WS-10. Previous applicants need not reapply. Supplemental required. Incumbent is a first-line supervisor who directs work operations in the Michelson Lab Service Shop. Functions of the shop are to install, maintain, repair or replace refrigeration, air conditioning and gas heating systems; maintain low-temp test ovens, special labs and clean rooms, plans work, estimates costs, develops performance plans, trains personnel and is responsible for safety, discipline and EEO. **Job Relevant Criteria:** ability to supervise; knowledge of technical practices; ability to interpret instructions, specifications, etc.; knowledge of materials; knowledge of pertinent tools and equipment; knowledge of EEO. Applications to be received or postmarked not later than 10-27-86. May be made permanent.

No. 36-188, Administrative Officer, DA-341-2/3, Code 36602 — This position is located in the Systems Management Office, Engineering Department. The Systems Management Office is responsible for the direction and coordination of all technical aspects of production programs under the cognizance of Code 36602 and NAVWPNCEN and includes Bigeye, North Finding Module and others as assigned. The incumbent must manage all program administrative duties. **Elements:** Ability: to manage the financial support for technical programs; to communicate orally; to communicate in writing. **Knowledge:** of production/program office operation and management goals. Promotion potential to DA-3.

No. 36-190, Logistics Management Specialist, DS-346-2/3, Multiple vacancies, Code 3664 — This position is located in the Integrated Logistics Support (ILS) Branch, Fleet Engineering Division, Engineering Department. Incumbent is responsible for preparing and implementing ILS plans for DOD weapon systems/equipment. Establishes logistics support criteria for system specifications, solicitation packages, contracts and life cycle cost studies. Prepares and manages budgets for cognizant programs and ensures system support during initial deployment and operation. **Elements:** Knowledge: of logistics planning techniques and methods; of logistics maintenance and support principles; of military command structure and how it relates to logistics support of tactical

missile systems. **Ability:** to participate as a member of a technical team; to communicate orally; to communicate in writing. Promotion potential to DS-3.

No. 36-191, Engineering Technician, DT-802-2/3, Code 3687 — This position is located in the System Safety Branch, Product Assurance Division of the Engineering Department. The incumbent will provide the necessary planning, development, implementation, coordination and monitoring of System Safety Plans, Hazard Analysis and other Safety Studies to a variety of Weapons Systems Development Programs both on and off-Center, through the application of System Safety Engineering and Management principles and tasks. **Elements:** Knowledge: of Weapon Configuration; of Weapon Systems Specifications; of Weapon Systems Standards; of Conventional and Nuclear Weapon System. **Abilities:** to plan and meet project work schedules; to communicate orally; to communicate in writing; to work and interface with other technicians, senior engineering personnel and managers at the project office level. Promotion potential to DT-3.

No. 39-041, Supervisory Interdisciplinary (Electronics Engineer/Computer Scientist/Mathematician/Physicist), DP-855/1550/1520/1310-3/4, Code 3923 — Position is that of branch head, Tomahawk Software Support Branch. Responsible for supporting the Weapons Department and associated systems command program managers in the design, development, acquisition and management of software and software documentation for missiles and other weapons hosting embedded computers. The incumbent will direct the design, development and test of new flight software for the cruise missile. **Relevant criteria:** Knowledge of embedded computers for tactical systems; ability to plan, schedule and coordinate technical work as part of a major project and to communicate well both orally and in writing. Willingness to support NWC's EEO policies. Promotion potential is to DP-4 but is not guaranteed.

No. 64-024, Engineering Data Management Specialist, DS-301-1, Code 6413 — This position is located in the Program Support Branch. The incumbent plans, develops, acquires and manages data required for the procurement, deployment and operations of recovery systems as well as retardation and telemetry devices for weapons systems. Develop data elements of contracts and provides technical direction in the tailoring of such data elements in contracts to comply with DOD and NAVMAT instructions and practical program requirements. Establishes documentation baselines and controls all changes to such baselines, using techniques that involve on-line computer equipment for the purpose of data base management, configuration identification, change control and status accounting. **Knowledge:** of engineering data management; knowledge of procurement and deployment of recovery systems and retardation and telemetry devices for weapons systems; ability to communicate both orally and in writing. Promotion potential to DS-3 but not guaranteed.

No. 61-015, Equipment Specialist (Ordnance), DS-1670-1/2, Code 6143 — Incumbent will perform duties that include: weapons assembly, functional checks/test as required, weapon modification. **Knowledge:** of weapons assembly procedures and components that make up a complete weapon. **Safety practices and procedure of ordnance handling. Abilities:** to interpret technical instructions, to communicate effectively orally and in writing. Promotion potential to DS-2.

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. 36-192, Interdisciplinary Physicist/General/Mechanical/Electronics/Chemical Engineer/Mathematician, DP-1310/801/855/893/1520-3/2, Code 3687 — The incumbent provides support to all major Weapons Systems (Sidewinder PIP, Penquin, Skipper, etc.) in Development/Production positions requiring interface with all facets of weapons systems development from design through test, including manageable travel. Will be required to identify, prioritize, evaluate, track and make recommendations for the elimination and/or control of hazards. Incumbent must work closely and effectively with military, government and industrial personnel. To apply, submit current SF-171 to Betty Motte, Code 36809.

No. 621-005, Aerospace Engineer, DP-861-2/3, Code 6211 — This position is located in the Ballistics Test Branch of the Range Department. The incumbent conducts static tests on experimental and development propulsion systems, including small tactical and large strategic solid propellant rocket motors and ordnance related hardware. Incumbent acts as Firing Officer and will plan, coordinate, schedule, supervise and conduct specified field tests at Skytop test facilities. Also, the incumbent designs/develops special test equipment, hardware and techniques as required. Send copy of current SF-171 to Ron Morey, Code 6211, NWC ext. 7252. Promotion potential to 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 below.

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) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

Unless otherwise indicated, applicants for Branch Secretary will be rated on elements 1/2/3/5/8; Division Secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office Secretary applicants will be rated on elements 1/2/3/4/5/8/9; and Department Secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

No. 31-158, Secretary (Typing), GS-318-3/4/5, Code 3196 — Provides secretarial and administrative support to the Systems Analysis Branch. Promotion potential to GS-5. Status eligibles may apply.

No. 31-159, Secretary (Typing), GS-318-4/5, Code 3193 — Provides secretarial and administrative support to the Light Attack Aircraft Branch. Experience on PC's desirable, but will train. Promotion potential to GS-5 if filled at GS-4 level.

No. 31-160, Secretary (Typing), GS-318-4/5, Code 3146 — This position provides

secretarial and administrative support to the A-6/AH-1 Weapons Integration Branch. Knowledge of the Xerox 860 and VAX commands desirable. Promotion potential to GS-5.

No. 39-043, Secretary (Typing), GS-318-5/6, Code 395 — Provides secretarial support to the RF Division. Promotion potential to GS-6.

No. 39-044, Secretary (Typing), GS-318-5/6, Code 391 — Provides division secretarial support to the Weapon Synthesis Division. Promotion potential to GS-6.

Dr. Roe to be on-Center Nov. 28

Dr. Arnold Roe of Cal-State University Northridge (CSUN) will be on-Center Nov. 3 to advise current and prospective students in the external degree programs offered by the school. Professor Roe is particularly available to counsel students in applied mechanics.

CSUN has external degree programs in electrical engineering, applied mechanics

and mechanical engineering at NWC which lead to a master's degree. CSUN also has an external degree program in electrical engineering which leads to a bachelor's degree.

Those who wish to see Dr. Roe are asked to make an appointment by telephoning Cyndi Jones at NWC ext. 2648.

Recent Additions

Code	Name	Title
0853	McCorkle, Charlene L.	Clerk-Typist
08622	Jackson, Louetta L.	Clerk-Typist
3431	Hunter, Allen S.	Student Volunteer
36	Martinsen, Satnik S.	Secretary (Typing)
3662	Watkins, Kathleen	Secretary (Typing)

Recent Separations

Code	Name	Title
08622	Bartlett, Janet L.	Accounting Tech.
3273	Moore, David W.	Mechanical Engr. Tech.
3312	Handrop, Mark E.	Electronics Engr.
3522	Koch, Jason P.	Electronics Engr.
3542	Conklin, Michael S.	Electronics Engr.
3608	Hill, Janis M.	Clerk
36088	Brown, Willie P.	Engr. Aid
36088	Delaney, John J.	Engr. Aid
36088	Elliott, Tercia D.	Engr. Aid
36088	Franks, Misty S.	Engr. Aid
36088	Fuller, Barbara J.	Engr. Aid
36088	McKeown, Rose M.	Engr. Aid
36088	Passwater, Mark A.	Engr. Aid
36088	Romero, Patsy	Engr. Aid
36088	Shea, Patrick J.	Engr. Aid
36252	Schultz, Gary L.	General Engr.
6101	Hollar, Glen D.	Program Manager

Medicare info for people 64-65

If you are 65 or nearing 65 and plan to continue working, there are some special Medicare rules you should know about.

Under the special rules, if your employer has 20 or more employees, he or she is required to offer workers and their spouses 65 or older the same health benefits that are available to younger employees. The employer must give you and your spouse, if either of you is 65, a written explanation of your options under the employer health plan and how Medicare coverage is affected. You can accept or reject the employer's health insurance plan.

If you accept the employer's plan, Medicare becomes your secondary health insurance payer. This means the employer plan will pay first for covered medical services you receive. But, Medicare can help pay for any Medicare-covered services that are not paid by the employer plan. In other words, Medicare will supplement your employer group health plan.

If you reject your employer's plan, Medicare will be your primary health insurance payer. In this case, however, the employer plan cannot pay supplemental benefits for Medicare-covered services. Your employer can only provide health insurance protection for any services not covered by Medicare, such as prescription drugs, hearing aids or routine dental care. If you want other health insurance to supplement Medicare, you must buy it.

If you do elect your employer's plan, find out whether it covers doctors' and other services that are covered by the medical insurance part of Medicare. Depending on how fully it covers these services, you may want to wait to enroll in Medicare medical insurance during a special enrollment period. This 7-month enrollment period will begin with the month

your employment ends or the month your employer group health coverage ends for any reason. The special enrollment period applies even if your employer has less than 20 employees.

You won't have to pay any medical insurance premium surcharge for late enrollment if you decide to wait until the special enrollment period. Ordinarily, if you don't take Medicare medical insurance at your first opportunity, your monthly premium is 10 percent higher for each 12-month period you could have been enrolled but weren't.

Under the special rules, however, the months you are 65 or older and have employer group health coverage will not count in figuring your medical insurance premium (note: workers and their spouses age 65 or older who have already enrolled in medical insurance can drop it and re-enroll during the special enrollment period without any premium surcharge).

For more information about these special Medicare rules, contact your employer.

One final point you should remember if you plan to work past 65: apply for Medicare hospital insurance 2 or 3 months before your 65th birthday. This way your hospital insurance protection will start when you reach 65. There's no premium for hospital insurance if you have worked long enough under Social Security or Railroad Retirement or have worked long enough in federal, state or local government employment to be insured for Medicare purposes.

If you have any questions about Medicare in general, get in touch with the Ridgecrest Social Security office.

By John Powers
Social Security Resident
Representative in Ridgecrest

Health Benefits Program to begin

The annual Open Season for the Federal Employees' Health Benefits Program begins on Monday, November 10, and will continue through Friday, December 5.

Employees who do not want to make any change in their enrollment need take no action during this time. However, any eligible employee who is not currently registered may enroll and enrolled employees may change from one plan or option to another, or from self-only to self and family, or a combination of both.

Employees who want to enroll or make some other permissible change in coverage should go to Room 100 in the Personnel

Building. New enrollments and changes in current enrollments made during the open season will become effective on January 4, 1987.

Employees are urged to make any desired change in the Federal Employees' Health Benefits Program as soon as they have the information literature they need. Information materials have not arrived but will be distributed as soon as they are received.

For further information contact Sandra Tofson or Amy Toy at NWC ext. 2018 or 2592.



Participants who completed long-term training assignments for 1986



Personnel Development Opportunities

GROUNDING & SHIELDING (S&Es), 12 and 13 November, Wednesday and Thursday; **GROUNDING & SHIELDING (TECHNICIANS)**, 14 November, Friday.

0800-1600, Training Center. By Dr. Tom Van Doren.

Scope: The lecture and demonstration portion of this class will stress the fundamental principles involved in typical grounding and shielding problems. The presentation will be at an introductory level but a thorough knowledge of electronic circuit and system design will be assumed. Several interference coupling mechanisms and shielding techniques will be demonstrated. Topics include an introduction, grounding for safety, electrical properties of signal sources, amplifier configurations, and electrical interference.

Deadline: 29 October.

ELECTRO-OPTICS AND ACOUSTO-OPTICS

17 and 18 November, Monday and Tuesday, 0800-1600, Training Center. By Dr. Richard Hughes, Consultant.

Scope: Topics include history, definitions, and background information; physical principles; theoretical considerations; materials; components; and applications.

Text: *Optoelectronics: An Introduction*, by J. Wilson and J.F.B. Hawkes will be provided.

Deadline: 29 October.

VAX/VMS CONCEPTS

17-21 November, Monday-Friday, 0800-1600, Training Center. By Staff of DEC.

Scope: Course highlights are VAX overview, Operating system overview, Data representation, Exceptions and interrupts, Process structure, Memory management, Compatibility mode.

Deadline: 27 October.

DATE CHANGE FOR RECOMMENDATIONS FOR LESS THAN FULL & OPEN COMPETITION

4 December, Thursday, 0800-1130, Training Center. By P. Thompson & H. Cropper, Code 25.

Scope: This is a "how to" workshop covering what an acceptable sole source should look like. Also covered will be the process itself, signatures required, thresholds, regulations requiring the need for less than full and open competition, and exceptions to going other than full and open competition.

Deadline: 12 November.

FIBER OPTICS TECHNOLOGY FOR TECHNICIANS
9 and 10 December, Tuesday and Wednesday,
0800-1600, Training Center. By Dr. Richard S. Hughes,
Consultant.

Scope:

- I. Physical Optics
 - A. Geometrical optics
 - B. Fresnel equations
 - C. Total internal reflection
 - D. Waveguide modes
- II. Optical Fibers
 - A. Materials
 - B. Loss mechanisms (absorption & scattering)
 - C. Single mode and multimode
 - D. Graded index
 - E. Dispersion, bandwidth & link length/bandwidth product
 - F. Characteristics of state of the art
- III. Optical Sources
 - A. Light-emitting diodes
 - B. Semiconductor injection lasers
 - C. A & B contrasted by bandwidth, coupling efficiency, cost, etc.
- IV. Detectors
 - A. Materials & processes
 - B. PIN photo diodes
 - C. Avalanche photo diodes
 - D. Repeaters (source/detector combination)
- V. Integrated Optical Circuits
 - A. Materials & fabrication techniques
 - B. Sources, detectors, lenses, couplers, modulators, etc.
 - C. Integration of components
- VI. Hardware
 - A. Fibers & cables
 - B. Connectors
 - C. Time domain reflectometers
 - D. Splitters
- VII. Systems Considerations
 - A. Bandwidth, link length
 - B. Environment
 - C. Examples

Note: this course will be taught with a minimal amount of mathematics required to convey key concepts.

Deadline: 17 November.

SOFTWARE DEVELOPMENT ACQUISITION MANAGEMENT PROCESS

October 30-31, Thursday and Friday, 0800-1600, Training Center. By Jim Dorrell, Code 392.

Intended Audience: Managers, engineers, technicians and specialists who are involved in the development or acquisition of software in the DOD environment.

Scope: Acquaints you with the basic process of software development and acquisition in accordance with DOD policies and standards. Emphasis is on tactical computer programs (mission-critical computer resources) but the process applies equally well to other software applications, ADP for example. Topics include the software acquisition/development life cycle; software development plan; software life cycle management plan; the roles of software documentation, configuration management, quality evaluation, reviews and audits, and software testing. The application of MIL-STD-483, MIL-STD-490, MIL-STD-1521, MIL-STD-1679, MIL-STD-2167, MIL-STD-2168 and MIL-S-52779 will be discussed.

Deadline: October 20.

NOTE: To reserve space in this course, please phone NWC ext. 2359 before close of business on October 20, then submit Training Request Form (NAVWPNCEN 12410/73) via department channels to Code 094.