



**READY TO PERFORM** — Dancers Jennifer Michel, Karen Bruckman and Kym Parker will appear in the December performances of "Who Owns the Owl Saloon?" a comedy melodrama that will be presented at the White House Saloon in Randsburg.

**Reservations needed at comedy melodrama playing in Randsburg**

Reservations are going fast for the Dec. 6 and 7 performances of "Who Owns the Owl Saloon?" The "melody-drama" in which the hero is cheered and the villain booed by audience members, and based on "true rumors," will be presented at the White House Saloon in Randsburg by the Rand Mountain Players.

The dinner-theater presentation begins with a western style barbecue at 6:30 p.m. Tickets for the performance are \$12.95 each, which includes dinner, tax, tip, and the play.

The tale is woven from historical fact and fancy fiction as Fifi Du Jour and Luscious Lucille try to save themselves, Sweet Sally Devine and the Owl Saloon from the evil villain Crafton Riles (and the bungling of B. L. Bumble of the BLM).

Reservations are mandatory because of limited seating. They may be made by telephoning 375-2464, or may be purchased at the White House Saloon on Saturdays and Sundays between 11 a.m. and 6 p.m.

**AIAA members to hear about composites used for new air weapons**

The local experts in the field of missile structures, Dr. Craig Porter and Ralph Mattis, will discuss the application of advanced metallic composites to air weapons at an American Institute of Aeronautics and Astronautics (AIAA) luncheon meeting to be held in the Drydock Room of the Enlisted Mess on Tuesday at 11:30 a.m.

Composites are in common use in almost everyone's daily life, including such things as boat hulls, automobiles and fishing poles. However, the requirement for composites that retain their strength and stiffness at elevated temperatures has led to the development of exotic combinations of reinforcing materials. These combinations have, in turn, required the development of new and complex manufacturing processes which can accommodate the composite's strength, stiffness, and high temperature capabilities.

The work required to solve existing problems in order to manufacture missile components of vastly superior performance is the subject of the presentation by Porter and Mattis. All interested persons are invited to attend the meeting.

**Winner to be crowned in Queen for a Day competition Tuesday**

The Christian Women's Club of Indian Wells Valley will hold its November meeting at the Commissioned Officers' Mess on Tuesday, Nov. 19. At that time a queen will be crowned for the Queen for a Day contest, and over \$500 of prizes contributed by local merchants will be awarded.

Speaker for the day will be Jan McNeas from Sun Valley, and Angie Winters will present special music. Reservations are required and can be made by telephoning 375-7435 or 375-5072.

**Movies**

FRIDAY, SUNDAY, MONDAY	NOV. 15, 17, 18
"GOONIES"	
Starring Sean Astin and Josh Brolin (Comedy/Adventure, Rated G, 114 min.)	
SATURDAY	NOV. 16
"WARNING SIGN"	
Starring Sam Waterston and Kathleen Quinlan (Horror-Thriller, Rated R, 99 min.)	
WEDNESDAY	NOV. 20
"RETURN TO OZ"	
Starring Nicol Williamson and Jean Marsh (Fantasy/Adventure, Rated PG, 100 min.)	
FRIDAY	NOV. 22
"PALE RIDER"	
Starring Clint Eastwood and Michael Moriarty (Western-Drama, Rated R, 117 min.)	

Starting Times: Matinee / 2:00 pm Evening / 7:00 pm  
Box Office Opens: Matinee / 1:30 pm Evening / 6:30 pm

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

**Community orchestra to play 3 major works in concert at NWC**

Highlighting the Desert Community Orchestra concert to be held on Tuesday evening at 7:30 at the Center theater will be the exceptional musical skills of three soloists playing Bach's "Brandenburg Concerto No. 4."

The violin soloist will be Patty Ivanivsky, who is currently concertmistress of both the Desert Community Orchestra and Burroughs High School. The 16-year-old violinist plans attending the University of California at Santa Barbara when she graduates from Burroughs High School. In addition to her outstanding musical abilities, she is a member of the academic decathlon and maintains a 3.9 grade point average.

The two flutists who will join in the solo parts are Debra Veit and Camille Martin. Ms. Veit holds a bachelor of arts degree and a master's degree in music education. She has studied with Ray Johnson and Lise Mann. Ms. Martin holds a bachelor's degree in instrumental music education and has studied flute under such outstanding teachers as Jean-Pierre Rampal and the late Marcel Moyse.

Other selections to be played Tuesday are the Bach-Stokowski "Tocatta and Fugue in D Minor," and Handels' "Water Music."

General admission to the concert will be \$4 with students, senior citizens and enlisted military being admitted for \$2.

**IEEE slates meeting at COM Chart Room on Wednesday noon**

Art Sutton will speak at the November 20 meeting of the China Lake Section, Institute of Electrical and Electronics Engineers set for the Commissioned Officers' Mess Chart Room.

Sutton, a professor of Electrical Engineering at Cal Poly Pomona, will talk to IEEE members and guests on the Professional Activities Committee for Engineers (PACE).

Reservations are not required, but are suggested. Visitors planning to attend are asked to call one of the China Lake IEEE officers including Horace Joseph at 375-9397, Pat Keller at NWC ext. 6212 or Dennis Mills, 446-5561.

★ U.S. Government Printing Office: 1985 — No. 20031

FROM: \_\_\_\_\_ PLACE STAMP HERE

TO: \_\_\_\_\_

**TA-4J pilot praises work of para riggers**

"Everything worked as advertised — and the para riggers did a 4.0 job," says Cdr. Ron Miller, head of the Aircraft Operations Division of the Aircraft Department.

The enthusiastic endorsement of survival equipment came from a satisfied user. On Nov. 6, while returning from a flight to the Naval Air Test Center at Patuxent River, Md., Cdr. Miller and Major Tom White, USMC, had to eject from their TA-4J Skyhawk aircraft.

The two men had flown to NATC the preceding day for a meeting, and filed their flight plan around 3 p.m. Wednesday for their return trip to China Lake. Maj. White had a test flight the following day, Cdr. Miller noted, so they planned to head west with three refueling stops on their way home.

They departed NATC at about 3:55 p.m., and were at 14,000 feet and 30 miles east of Richmond, Va., when they heard a rumble and felt a vibration of the airframe. "This was nothing alarming," Cdr. Miller noted, "because you sometimes get that sort of a reaction if you hit the right combination of power setting and airspeed."

The two men discussed what was happening, and agreed all engine instruments

were normal. Washington Center cleared them to go from the 14,000 feet at which they were flying to 16,000 feet.

"I was just thinking that we should return to Pax River when I heard a loud explosion," Cdr. Miller said, "and the aircraft went out of control." Since the aircraft was rolling left and then right with its nose down about 70 degrees, "I decided now's the time and I tried to pull the upper ejection handle."

He says the aircraft was spinning hard enough he missed the handle the first time around, but got it the second time so the ejection sequence was initiated.

"I knew the canopy went because I could hear the wind," he continues. "The back seat went next, and then I ejected."

He says time seems to have stood still because he can remember each step that happened — although he can't remember exactly what time they had taken off. "But it seemed to be a very long time before the parachute opened," he adds, including that Maj. White also felt there was a very long time between ejection and the chutes opening.

(Continued on Page 5)



**GRAPHIC DEMONSTRATION** — Cdr. Ron Miller shows a model of an A-4 Skyhawk aircraft just where the body and the tail section of the plane separated before the plane became a fireball. He and Maj. Tom White ejected safely from the burning craft. — Photo by PH2 Rick Moore

**Construction, flight of Voyager highlight open Sigma Xi meeting**

Voyager, which was designed to fly around the world non-stop without refueling, will be the topic of the evening's program at the Sigma Xi dinner meeting on Thursday, Nov. 21. The meeting is open to anyone interested in aviation.

Dick and Burt Rutan, who are the designers and builders of Voyager, will present a film and slides of their project in addition to talking about "Around the World Non-Stop, Non Re-fueled: The Final Challenge."

Voyager has a wing-span of 110.8 feet, a canard span of 33.3 feet, and a fuselage length of 25.4 feet. The cabin is 7.5 feet long and 2 feet wide, while the cockpit length is 5.6 feet and 1.8 feet wide. Empty, Voyager will weigh a mere 939 pounds because of its unusual construction materials.

Dick Rutan and Jeana Yeager plan to fly around the world in about 12 days. The Rutans will provide further information about the anticipated flight.

The dinner meeting will begin with a social hour at 6:30 at the Enlisted Mess.

**Country administrator to talk on future of IWV government here**

Ron Holden, Chief Administrative Officer of Kern County, will discuss the future of county government as related to the Indian Wells Valley at an open lunch meeting of the American Society for Public Administration on Friday, Nov. 22.

The meeting will be held at El Charro Avitia restaurant, and will begin at 11:30 a.m.

Although those attending can order from the menu, reservations are requested to ensure adequate seating. The reservations should be made by close of business on Wednesday, Nov. 20. They may be made by telephoning Johanna Webster, 375-4833; George Linsteadt, NWC ext. 2306; or Mickey Strang, NWC ext. 3354.

All interested residents of the area are invited to attend.

**NEX News**

Now is the time to order those personalized Christmas cards from the Navy Exchange personalized services store. Selections are good, and by ordering early, it'll be possible to get the cards in the mail before the heavy Christmas mailing rush.

And, for Christmas, the new Christmas wish book is out. Copies are available at the NEX retail store to help shoppers decide what sale items can meet their gift needs.

A sale on Mikasa china begins today. Not only will the china be beautiful on holiday tables, but it would also make superb gifts. Great buys also remain in the furniture and bedding departments of the NEX.



**Weather Report**

	Max	Min	Peak Gust	Precip
Fri.	79	56	38 knots	
Sat.	66	53	42 knots	
Sun.	63	46	45 knots	0.08 in.
Mon.	51	37	21 knots	0.09 in.
Tues.	53	32	12 knots	
Wed.	54	22	9 knots	
Thurs.	57	19	8 knots	

All measurements are made at Armitage Airfield.

**Superfortress destined for Travis AFB Museum**

Another B-29 Superfortress from the Naval Weapons Center's boneyard is on its way to becoming a museum piece.

Air Force volunteers from the Travis Air Museum at Travis Air Force Base recovered the aging bomber, or what was left of it, and have begun transporting it to Travis where Air Force reservists will undertake restoration of the World War II vintage

heavy bomber. Capt. John Stoney, normally a C-5A Galaxy pilot, oversaw the recovery efforts, work that included the massive chore of removing the wings to allow transport by C-5 of this historical aircraft.

With the outlines of bombs etched indicating combat missions still visible on the nose, the B-29 destined for Travis is

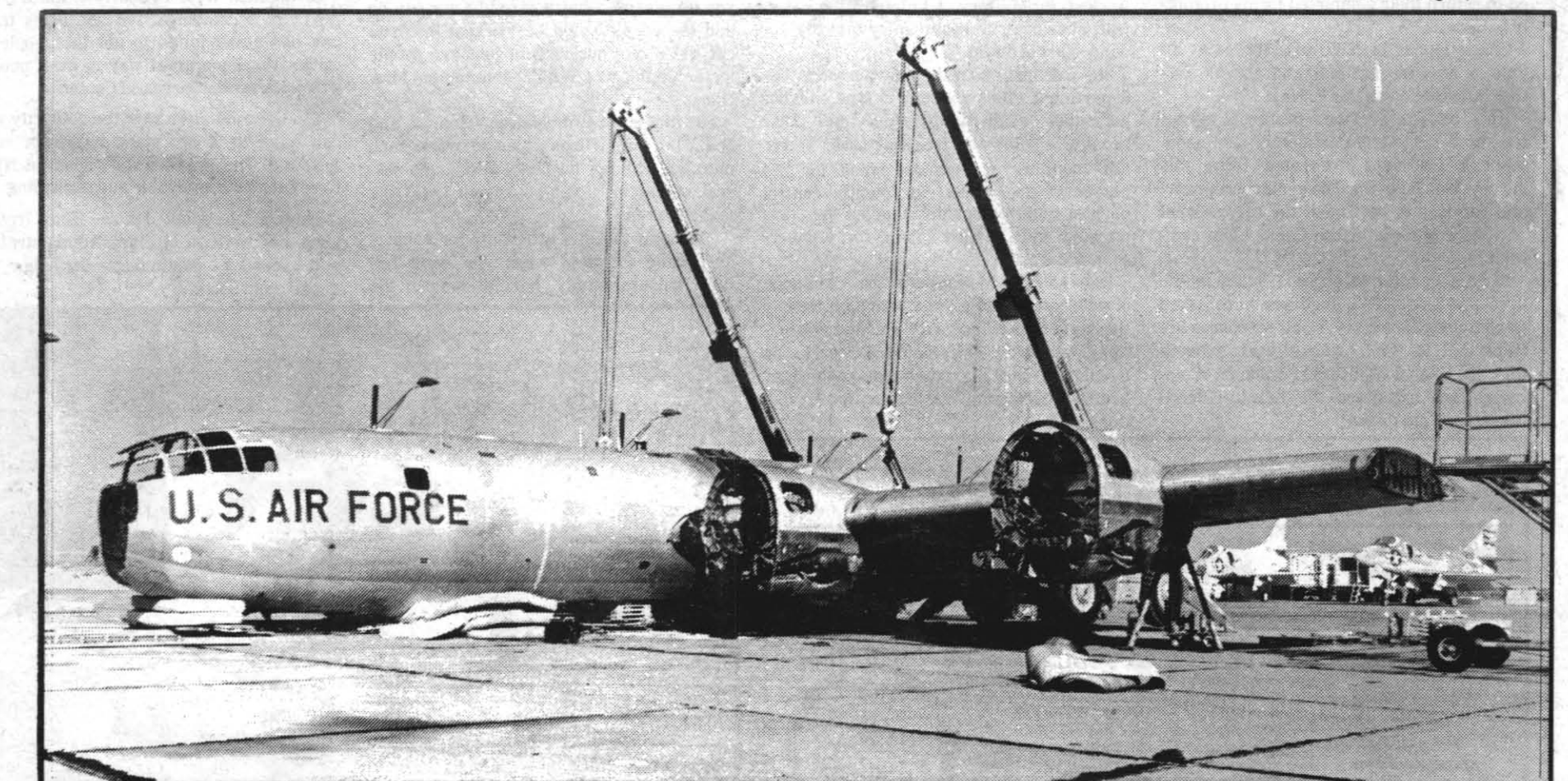
known to have been commissioned in 1944. Capt. Stoney also said they knew, from available records, this same aircraft carried a monitoring payload for the second nuclear bomb test conducted at Bikini Atoll following World War II.

"I can't say enough about the cooperation we received from the Navy and all the personnel at the Naval Weapons Center," said

Capt. Stoney. "It makes a big difference to have the assistance we've been given by the Navy at China Lake," he added.

The Air Force captain said the support, in terms of equipment and personnel had been "phenomenal." He noted this was his first contact with the Navy in an official

(Continued on Page 4)



**TRAVIS BOUND** — When Air Force volunteers finally removed the wing structure, this B-29, taken from the NWC boneyard, was ready to be flown from China Lake to Travis Air Force Base aboard a C-5A Galaxy.

The wings are at Travis now with the rest of the ancient heavy bomber scheduled to be flown to the base near San Francisco today (Friday) in another C-5A. — Photo by PH2 Rick Moore





## 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)	
Tuesday 7:30 p.m.	(Nursery provided) Sept. through June
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 95)	9 a.m.

Chaplain J. Milton Collins, Capt., CHC, USN  
Chaplain A. J. Smith, Cdr., CHC, USN  
Chaplain Jason E. Knott, LCdr., CHC, USN  
Phone, NWC ext. 3506, 3507

### Employee Services Board moves

The Employee Services Board office moved into Rm. 2 of Building 670 (Old Dorm 18), which is located on Lauritsen Road, opposite the Branch Medical Clinic Building.

Address questions about the ESB barber

### Leisure Needs Survey should be returned to Rec Services now

Employees, retirees and spouses of military personnel who received a "Leisure Needs Survey" from Recreational Services Department last week are encouraged to return their completed forms promptly to Code 22.

Chuck Foster at NWC ext. 3387 is available to answer questions and provide further information on this survey.

Recreational Services personnel stress the survey is totally confidential and anonymous. The data generated from this survey will help the Navy plan programs and services to best meet the recreational and leisure needs of the China Lake community.

Only a handful of persons living in the area and using NWC facilities were asked to complete the survey, so all responses are important to NWC Recreational Services and the Naval Military Personnel Command that mandated the Leisure Needs Survey at China Lake.

shop, recycling center, catering trucks or shoemobile to Doris Funk, ESB manager, between the hours of 1 and 3 p.m. daily. She may be reached at NWC ext. 2929, or, temporarily, at NWC ext. 2246.

### Employee in the Spotlight

## Working as WAE very informative says Laura Hinzo

I have thoroughly enjoyed the Naval Weapons Center and being a secretary," says Laura Hinzo, secretary to Cdr. John Thompson, head of Military Administration Department.

During the more than eight years she has worked in Military Administration, Mrs. Hinzo has come to really enjoy a vastly expanded list of duties.

She was just about the only person in the department who knew how to type enlisted personnel evaluation forms and that became a vital and frequent task. Today she monitors evaluations, typed for E-4 personnel and below, for quality control purposes and personally handles the complicated and detailed typing for E-5 personnel and above.

Due to sheer numbers the challenge of getting them into Washington on time is the biggest problem with enlisted evaluations. And, Mrs. Hinzo noted with pride, no evaluation she has typed has ever been bounced back from Washington for corrections.

## Great American Smokeout scheduled for November 21

The nation's 54 million smokers will get special attention during the American Cancer Society's Ninth Annual Great American Smokeout on Nov. 21. The smokeout shows smokers if they can last a day without a cigarette, they can quit permanently.

To help smokers last the entire day without a nicotine fix, several activities are planned. "Run Your Butts Off" races, rallies and cigarette "Matches" are just a few of the events that will be taking place across the country. Cancer society volunteers will be organizing smokeout events at shopping malls, parks, corporations, schools, hospitals and other areas.

A popular program is "Adopt-a-Smoker." Non-smokers adopt a smoker they would like to see quit. Throughout the day they offer encouragement and support. The adopters can also supply survival kits equipped with snacks and gum.

Although this is the first year the Navy has publicized the event, commands have always participated in the Great American Smokeout. The health and physical readiness department at the Naval Military Personnel Command supports education of sailors on the hazards of tobacco use. With the emphasis placed on educational pro-

grams to discourage smoking, the Navy uses frequently updated lectures, films, pamphlets and posters to inform its people about the latest medical research information on smoking and health.

Cdr. Stewart Stebbings, Health Programs Readiness Director, Health and Physical Readiness Department, said, "Commands can also provide incentives to encourage their people to quit such as challenge matches or rewarding smokers who quit." Saying that it would be beneficial to the command to have less smokers, Cdr. Stebbings said, "People who quit smoking are more productive. It is a proven fact that people who smoke are sick twice as much as those who don't."

To help commands encourage their people to quit, a special Navy telephone line has been established: AUTOVON 565-2895 or (804) 445-2895.

A Navy survey showed that approximately 50 percent of male sailors smoke as compared to 35 percent in the civilian community. Navy women smoke 10 to 18 percent less than their male counterparts.

More than 340,000 Americans die each year of diseases linked to smoking, representing one out of every seven deaths in the United States.

## Studded snow tire use now legal on all California highways

Snow tire season has arrived in parts of California and studded snow tires are now legal for use on highways in the state according to California Highway Patrol officials who made the annual authorization for their use.

Lt. J. P. Whitby of the CHP's Mojave Area Office notes they recommend drivers carry chains with them any time they are heading into mountain areas, even if vehicles are equipped with snow tires. He also

reminded motorists that the chains used, traditional link chains or the newer cable chains, must meet state vehicle code specifications to be legal for use in California.

Highway Patrol officials also recommend motorists be sure to try their chains out before heading into snow country. It is, they noted, much easier to find out if the chains fit your car while parked in a warm, dry driveway than on a snow-covered mountain pass highway in the middle of a blizzard.

## Working as WAE very informative says Laura Hinzo

Starting life at NWC in 1972 as a WAE employee, Mrs. Hinzo spent several years as secretary in the Systems Electronics Branch before joining Military Administration. "I would recommend working as a WAE, it's very informative and gives you an idea of what you might want to do and the people you'd be working for. You can get a real overview of jobs and people on the Center as a WAE," commented Mrs. Hinzo.

The mother of two children, Tina, 17, and D.J., 15, Mrs. Hinzo rides to work each morning with her husband, Jerry, and several others in a van-pool from the Lake Isabella area.

She notes there is little time for hobbies or outside interests when you work full time, raise a family, handle some of the

chores associated with a rural residence, such as feeding animals (including geese and turkeys) and much more. Nonetheless, Mrs. Hinzo is an avid reader and likes to do needlepoint and crochet.

Living near Weldon, nearly 40 miles from NWC, is a challenge, but she notes their van has never failed to get the people to work. It's also a great way to meet people who work in other areas on Center.

The Oregon native says the authority you can have as a secretary has been very fulfilling. The 14 years she's spent at NWC have been both enjoyable and rewarding.

There's no doubt Laura Hinzo really loves her work in Military Administration and sees a continuing challenge as department secretary.



MILITARY ADMINISTRATION — Laura Hinzo, secretary for the Military Administration Department, talks about the challenges of her job.

## Center joins NARF on A-3 repair procedure

A cooperative effort of the Naval Weapons Center, Naval Air Rework Facility (NARF) Alameda, and Naval Air Development Center (NADC) Warminster, is expected to lead to flight certification of

a repair procedure for the wing spar of A-3 aircraft.

Introduced to the fleet in 1952 and designated for replacement in 1965, today A-3s are used mainly in the passive-listening

and active jamming electronic warfare roles.

Of the 40 A-3s operating, six are used as test-bed aircraft in development of the latest listening and jamming devices; one

at NWC and five at Pacific Missile Test Center, Point Mugu.

Subjected to an extensive series of flight simulations during the aircraft's initial development, McDonnell Douglas Corp. identified the forward wing spar cap, where the spar attaches the engine pylon to the wing as a fatigue-prone area on the A-3. The wing spar is the main structural component of a wing.

As a result of these tests, and following an incident in which an engine was lost during a loft bombing run, an airframe change (AFC) was issued in 1972. This change requires inspection of the lower wing spar cap during major overhauls of the aircraft and following 5,000 flight hours.

China Lake's A-3 went in for its 5,000 hour checkup in April and cracks were found in the lower cap of the wing spars. This was the first time in 13 years of inspection since the AFC in 1972 that cracks were actually discovered, according to Bob Diasio, a supervisory engineering technician working on the A-3 at NARF, Alameda.

Laboratory analysis at NARF found five of six A-3 wings in the NARF boneyard also had cracks in the same area. Ranging in size from one-sixteenth to two inches in length, the cracks have gone undetected because they did not begin or intersect with existing holes in the spar, or had not yet reached the surface of the spar.

Previously, non destructive inspection (NDI) techniques used to examine this problem area required approximately 3,000 man hours to complete, primarily for the peeling back of the aircraft's skin, and for removal and replacement of engines and pylons. The development of a new ultrasonic inspection unit, developed by NADC, shortened the inspection process to about 100 man hours.

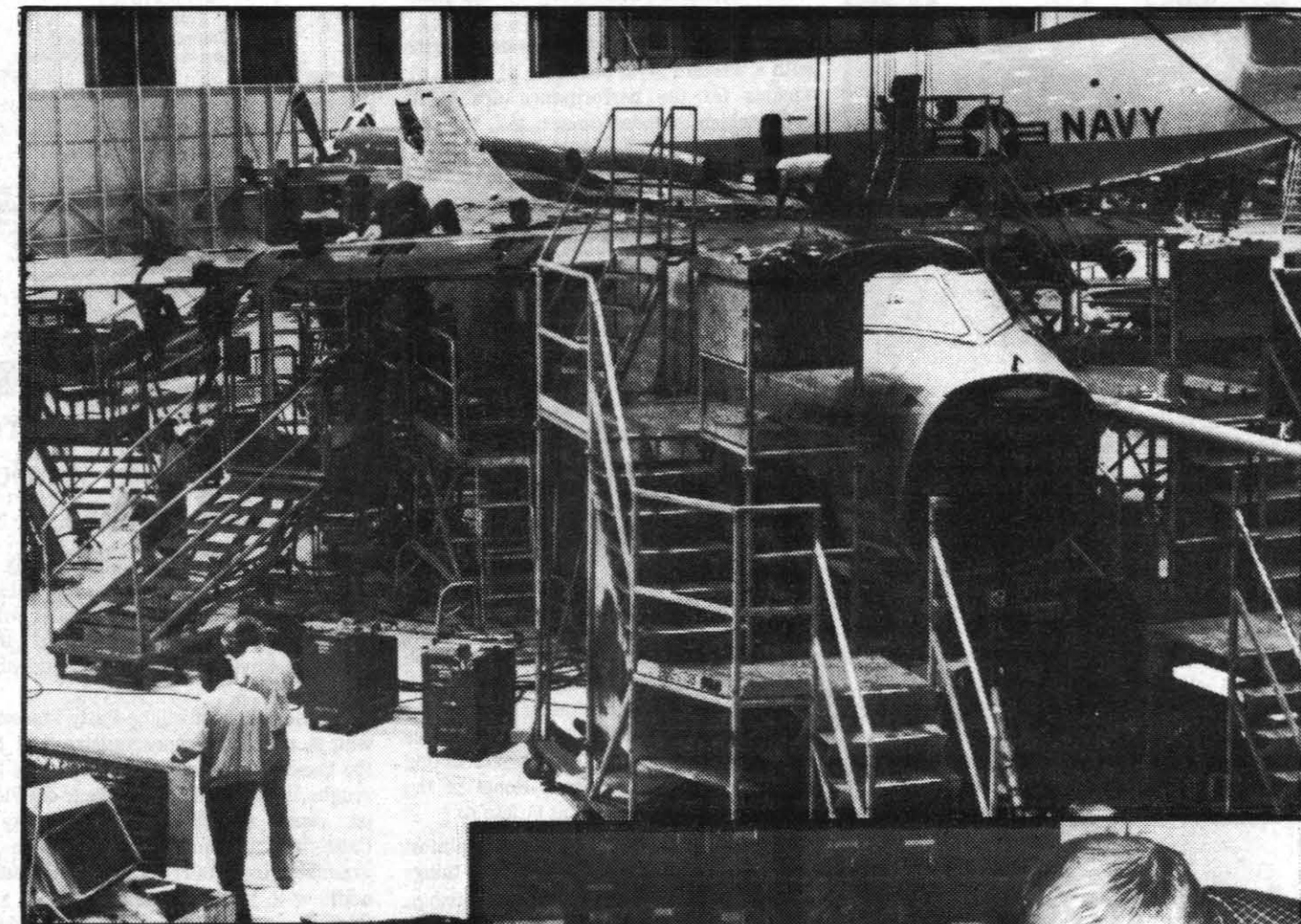
This new procedure entails cutting a hole in the top of the wing to gain access to the stressed area, inserting three transducer probes into the hole and running them across the fatigued area. A spike pattern on the unit's oscilloscope screen indicates the presence of a crack. Accuracy checks of this inspection technique, through microscopic examination of the five other damaged sections, is underway at NARF.

Engineers in NARF's Naval Air Engineering Support Office (NESO) devised a repair method for the wing spar cap that calls for a tapered steel doubler to be fitted to the back of the wing spar in the fuel tank to cover the fatigued area. At NESO's request, NWC's Thermal Structures Branch in the Advanced Technology Division of the Ordnance Systems Department was asked to perform initial analysis of the modification.

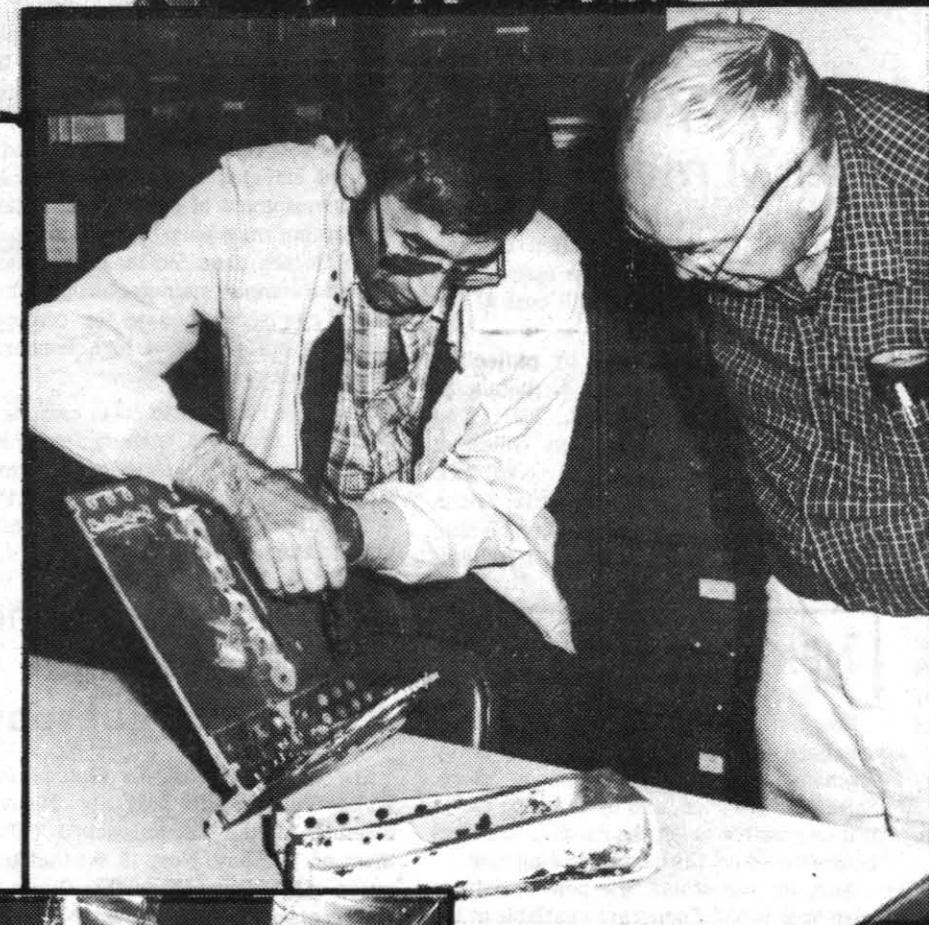
The Thermal Structures Branch is in the process of constructing a model of the failure-prone section of the wing. Work began following a conference between NWC engineers and NESO A-3 project representatives which included an inspection of the wing spar caps and proposed repair hardware. This NASTRAN finite-element model will be used to determine cause of the cracks, isolate loads and strains to which the problem area is subject, and determine adequacy of the proposed NARF repair.

After modeling tasks are completed at NWC, and results presented to NAVAIR 530 (a part of Naval Air Systems Command charged with ensuring structural integrity of aircraft), decisions regarding the flight certification of the A-3s with the NARF repair will be made.

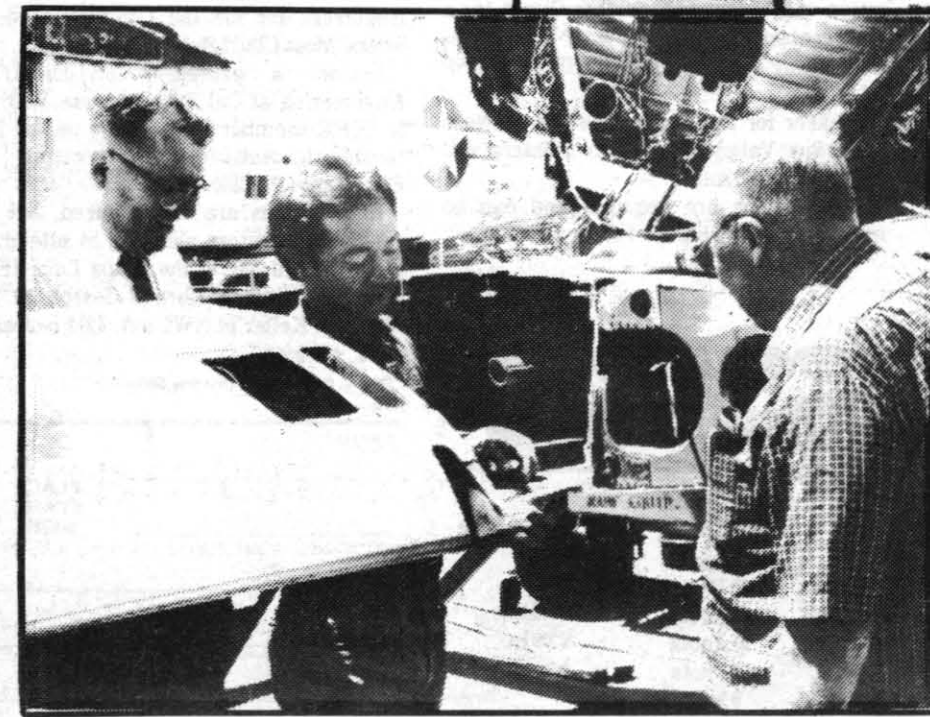
Since several of the other 39 A-3s have nearly twice the flight hours of the NWC aircraft, NAVAIR will determine the appropriate course of action for other Navy A-3s that may be subject to the wing spar problem.



PEELING BACK SKIN — China Lake's A-3, a test-bed aircraft used in development of listening and jamming devices, is in the process of receiving an inspection to ensure the aircraft's safety. In the hangar at NARF, Alameda, technicians pull back the skin of the aircraft to inspect the insides of wings where cracks were discovered in wing spar caps.



CLOSE-UP EXAMINATION — Bob Diasio, Alameda engineering technician, shows Robert Lange from NWC's Thermal Structures Branch, the precise area where cracks have been located on a piece of an A-3 wing spar cap.



Photos by PH1 Brenda Scratchard

CUTAWAY SHOT — David Yeung (C), directs the attention to NWC personnel from the Thermal Structures Branch of the Ordnance Systems Department to the particular component suffering from damages caused by cracks.

**NWC Rocketeer**

Captain K. A. Dickerson  
NWC Commander

B. W. Hays  
Technical Director

Denny Kline  
Public Affairs Officer

Mickey Strang  
Editor

Steve Boster  
Associate Editor

PH2 Rick Moore  
Staff Photographer

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# Stiff winds fail to halt weekend youth soccer play

Despite cold, brisk winds, teams in the NWC Recreation Services Department's Youth Soccer League continued play on Saturday. The high winds early in the morning did scrub several Division One games.

**Division 1**  
Eagles 3, Apollos 1  
Behind strong winds, the Eagles got goals from Tracy Allen, and Seth McDonald en route to a 3-1 win. Tim Clark and Scott Whitley starred on defense. The Apollos got their lone goal from Glenn Baker while Jon Mickelsen and Ethan Plugge played strong games in the loss.

**Coyotes 1, Roadrunners 1**  
Reed Christensen's goal was all the Coyotes could muster. Matthew Girardot, Jennifer Johnson and Brian Tosti were defensive standouts in the clash. The Roadrunners did not file a game report.

**Division 2**  
Cosmos 4, Earthquake 1  
Damon Kelling ripped the Earthquake defense as he scored all four Cosmos goals in the win. In the loss, the Earthquake got a lone goal from Dan Kamben while Tom Foisy, Mike Frederick and Jennifer Crouch were top defenders.

**Blizzard 4, Lancers 1**  
Joe Mechtenberg was the outstanding player for the winners, notching all four

goals. Carl James, Robert Ricks and Jason Duff provided assists and defense. The Lancers played a strong game despite fierce winds.

**Drillers 2, Aztec 0**  
Sean Cassidy and Justin Head were top players for the Aztec in their loss to the Driller team. Miranda Varney and Issac Curran were joined by Brandon Rivera and Michael Eberhart in leading the Drillers to victory.

**Sting 1, Timber 0**  
The Sting won on a forfeit when the Timber squad could field only a five-man team. Jason Ghormley volunteered to play for the Timber squad along with Howard Gamble, Jerry Sparks, Thomas Agagni and Hayden Wilson so they could at least get a scrimmage in against the Sting.

**Division 3**  
Whitecaps 9, Diplomats 0  
Badly outnumbered, the Diplomats gave the Whitecaps a strong fight, playing hard throughout the lopsided contest. Jeremy Slater's play at fullback keyed the easy win. Four players shared in the scoring while Ryan Christensen and Michael Sieg were defensive standouts.

**Sounders 3, Toronado 1**  
Despite a 1-0 halftime lead, the Tornado team bowed when the Sounders got two goals in the fourth quarter. Doug Harris, Abram Nelson and Ted Mechtenberg were Tornado leaders. The Sounders did not file a report.

**Rogues 1, Kicks 0**  
Mike Graves got the only score of the game with an assist from Jamie Scholl. Steve Lundwall, Raymond Marshall and Phillip Johnson were Rogue leaders. The heartbreaking loss was all the worse because the goal to tie the game was disallowed by a penalty on the Kicks. David Charlton, Eric Martin, Nathan Walters and Natalie Noel were other standouts.

**Surf 6, Roughnecks 1**  
Five goals by Chris Marshall made it an easy win. Scott Becker had the other score. Dean Barnett and Benny Trujillo were joined by Paul Solem in strong performances. There was no Roughneck report filed.



## Sports



**FAST START** — Runners in the Over The Hill Track Club's half marathon are off and running, some of them looking at their watches to start self-timing of the 13-mile-plus run. — Photo by PH2 Rick Moore

# Hoop squads bow in season opener

Varsity basketball teams, men's and women's from the Naval Weapons Center, began league play last week, bowing in both contests.

The women lost 59-48 to George AFB while the men were stopped 120-99 by 29 Palms in the season openers.

In the men's game, Guy Wellington and

Ernest Polk notched 27 points each against 29 Palms' full-court press.

The NWC Women held a slim lead early in the game, but fell behind later in the first quarter, never to recover. They were able to close to within four points several times in the second half, but never could overcome the George edge.

Janet Pande with 22 points and Veronia Clark with nine paced the NWC scoring effort. Clark added 13 rebounds while Cathy Rotert added 10 rebounds in the loss.

Tomorrow the NWC teams will host Ft. Irwin with the women opening play at 2 p.m. and the men following the women's game.

# Becker leads Premier loop

Keith Becker had a hot hand in Premier Bowling League action this week, rolling a triple 200 for a 614 series. He strung games of 210, 202 and 202 together for the triple 200 series.

Best single game of the night went to Ed Donahue with a 237 score.

Team standings found Modern Trophy maintaining its hold on first place with a 104-56 record. The Hideaway jumped into second place with a 94½-65½ record while Buggy Bath keglers dropped to third with a 91-69 overall mark.

Hideaway bowlers also had the top team game with a 781 and the high team series score of 2,300.

Team	Standings	Won	Lost
Modern Trophy		104	56
Hideaway		94½	65½
Buggy Bath		91	69
Olympia Beer		81½	78½
Elks Lodge		77½	82½
Hoopers' Troop		65	95
Thrifty Wash		64	96
The Place		62½	97½

# Under-19 squad is second in soccer tournament

Ridgecrest's Under-19 Scorpion Soccer Club finished regular season play just two points out of first place and lost in the championship game of the League Cup Tournament, 4-1, to Rialto's Blast squad.

The Scorps blanked Victorville 2-0 in semi-final action to set up the clash with the first place Blast team.

The Scorps also ripped San Bernardino's Cosmos 3-0 in a preliminary round.

Coach Karl Kauffman said the 3-0 win against the Cosmos came on the San Bernardino team's home field and was an impressive win by this young Ridgecrest team. Bill Hugo, Bill Ledden and Scott Piri did the scoring while the defense completed the shutout.

Scott Hannon accounted for both Scorpion goals in the win against Victorville. Roger Smith gave a big assist to Hannon on

# Sea fishing looking good

As the fresh snow begins to dim all hopes of an enjoyable and productive trout adventure in the Sierra, sport fishing out of the Morro Bay area is looking great.

Rockcod fishing is excellent as most anglers are returning to shore with their limits. At the same time, the albacore is remaining within 11 miles of the shore and averaging 30 lbs.

The time of year is right and the fishing is hot. So head for the coast and wet those lines!

his second goal.

In Sunday's finals, the Scorps showed a lot of skill at the game and were faced by a very rough Blast team. Outstanding individual effort by Rialto and some costly mistakes by an otherwise strong Scorpion defense turned the tide in the battle for the championship.

The lone Scorp goal came with about a

minute left in the first half play on a shot by Bill Hugo.

Counting playoffs, the Scorpion defense allowed just eight goals in 10 games until that final clash.

The fall season ends with the Scorps' annual soccerthon, a six-hour fund raising game set tomorrow at Murray Junior High's soccer field starting at 11 p.m.

# Scorps capture top spot

Ending the 1985 fall soccer season, the Under-16 Scorpion Soccer Club won Division A in the Inland Empire Youth Soccer League by edging Alta Loma 1-0.

Defense was the key to victory for the Scorps for the first time this season. Solid play from John Dykema, Scott Hamilton, Jim Caves, Bryan McCrary and goalie Jason Okamoto kept Alta Loma's offense off balance and scoring chances few and far between.

The lone and winning goal came on a free kick by Matt Mechtenberg following an Alta Loma penalty in the first half. Mechtenberg placed the ball precisely in the far corner, just beyond the goalie's reach.

As it turned out that's all the Scorps needed thanks to their brilliant defense.

The win was the first of the season to be determined solely by defensive play, said the coaching staff.

Their offense worked hard in the second half, but the Scorps always came up a little short of the Alta Loma goal line.

Trailing the Scorps in the final standings were the Barstow Condors, Alta Loma and the Hesperia Scorpions.

Players from this team will be among those making up the Burroughs High School squad until IEYSL play resumes next spring.



# The Skipper Sez...

**QUESTION**  
Retired Military Employee — My question concerns the facilities provided to retirees through the medical clinic. When I first came here they had dental assistance, on an appointment type basis. That was soon eliminated to where it's on standby basis, so it's almost impossible to get normal care such as cleaning, and fillings. I accepted that. I have extra insurance and I go in to town most of the time for coverage there, and then file with my insurance company in CHAMPUS. Recently, the dispensary has ceased honoring prescriptions written in town. This is just one more hardship that causes me to go on the local economy, buy the prescription and then file my insurance claims. This doesn't seem to be the most economic way to do it because in the long run it still cost the government through insurance programs in CHAMPUS. I also feel that the retirees are being pushed more and more out from the coverages of medical and dental. I would like a response to this question. Thank you.

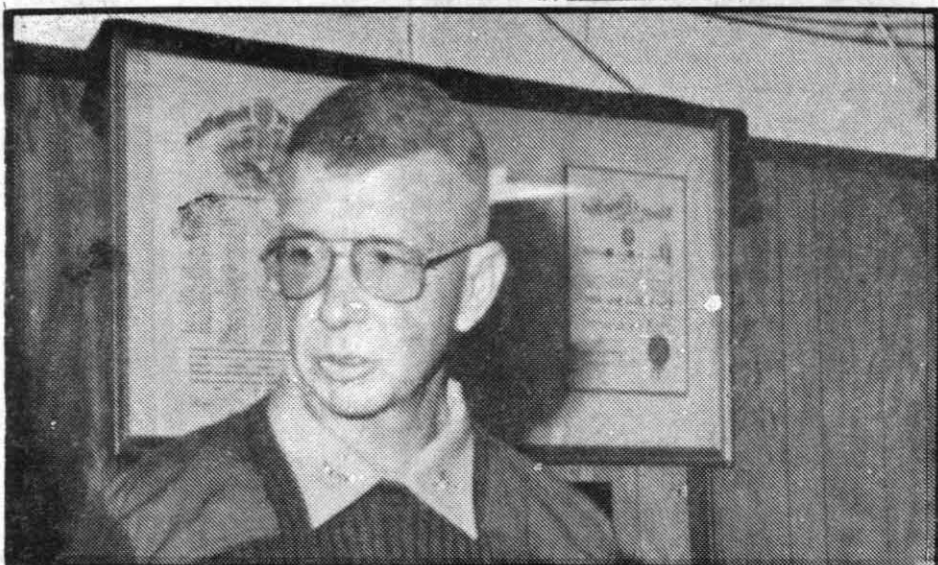
**ANSWER**  
I agree with you and am doing everything I can to reduce this trend. The requirement for all medical facilities which do not have a registered pharmacist on their staff to stop honoring prescriptions written by civilian doctors was made by the Surgeon General of the Navy. This restriction has recently been rescinded. On July 25, 1985, the clinic started once again filling prescriptions written by civilian doctors. These prescriptions are subject to the following requirements: they must be presented during normal working hours, medications must be on the clinic's formulary and in stock, and they will only be filled within the authorized quantity limitations.

Dental care for other than active duty has recently undergone a significant change. Dependents are now authorized treatment on a space available basis. Retired personnel may come in for an examination any workday morning between the hours of 7-8:15 a.m. for dental sickcall.

**QUESTION**  
Military — I am a Safety Petty Officer for my division and I have run into a problem with medical first aid kits. Now since I have been in the Navy, I have at several other commands been a Safety Petty Officer, and I was always allowed to go to medical and have these first aid kits restocked. At this command, I have been told that medical will not restock first aid kits due to funding, and that I have to go to Tel-Mart and buy a new one every time I need one restocked. To me, the way I see this, I work in Supply myself and it seems a bigger waste of money to purchase a new first aid kit every time you need an item in one, than to have it restocked. I don't understand the situation with this, and I would like to know why medical cannot restock a first aid kit. We are required to have them, and I would appreciate an answer on this very much. Thank you.

**ANSWER**  
The Branch Medical Clinic does not provide First Aid Kits for any department or code. Instead, three First Aid Stations and the Clinic are staffed with trained personnel and strategically located throughout the Center for the purpose of providing treatment. If a department or code desires a First Aid Kit, they are available for issue at Warehouse 10 and will be issued to anyone submitting the proper paper work. Replacement of items in these First Aid Kits may be accomplished through regular supply channels. Each kit has an inventory list, by stock number, included in the unit. By utilizing the proper National Stock Number, there should be no problem ordering the replacement item(s) desired. In the event the inventory list is missing from the First Aid Kit, additional copies may be obtained from the Branch Medical Clinic.

All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. 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 Rockeater each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.



**HONORED GUEST SPEAKER** — Col. Roy Edwards, Marine Corps Liaison Officer at NWC, shares the platform at the Veterans Day observance with Wally Baker of the Fleet Reserve Association, who served as Master of ceremonies for the occasion. — Photo by Mickey Strang

# Young servicemembers as good as vets ever were says Col. Edwards

A rousing note of confidence that today's young men and women "will shine even as you and I did" in the defense of this country was the theme of Col. Roy Edwards as he spoke at Veteran's Day ceremonies Monday.

The Marine Corps Liaison Officer at NWC was the honored guest speaker at the traditional program sponsored by the Veterans' Coordinating Council of Ridgecrest at the Veterans of Foreign Wars headquarters.

Col. Edwards noted that "There is still a spirit of patriotism in this nation. The young men and women of today are as good as we were — as good as we ever were and as eager to defend their country."

While much has been written about the problems that are being faced in the military service with drugs and alcohol abuse, he noted that the aggressive approach that the military has taken has resulted in a dramatic drop in both of these problem areas that are current with the youth of the whole country.

In 1980, he noted, the Navy estimated that one out of two of the young enlisted personnel used some form of drugs, but last year that number was down to one in ten.

He pointed out that during the Vietnam conflict, the military had to take a lot of personnel who scored in category 4 on the Armed Forces qualifying tests — meaning

**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)

# Even small bits of information add up for spies

Routine maintenance schedules are stopped, and longer working hours are scheduled in the maintenance bay.

Unusual quantities of supplies are ordered through normal supply channels. Unclassified temporary duty orders are issued.

Travel arrangements are made for groups of personnel. It doesn't take much to put these bits of information together and conclude that a military operation is in the works.

In fact, that's how 70 percent of the information gathered by some 1,000 Soviet intelligence officers stationed throughout the United States is collected, according to DOD officials.

While DOD personnel take great pains to protect classified information, they sometimes overlook the fact that unclassified information and activities — particularly those of a sensitive nature — actually may give away more secrets.

Operations security, or "OPSEC," is the effort to keep as much information as possible out of the hands of potential adversaries.

To the logistics support personnel, it might mean controlling the distribution of requests for transportation, billeting and in-flight lunches, which pieced together might reveal the magnitude and time of an operation.

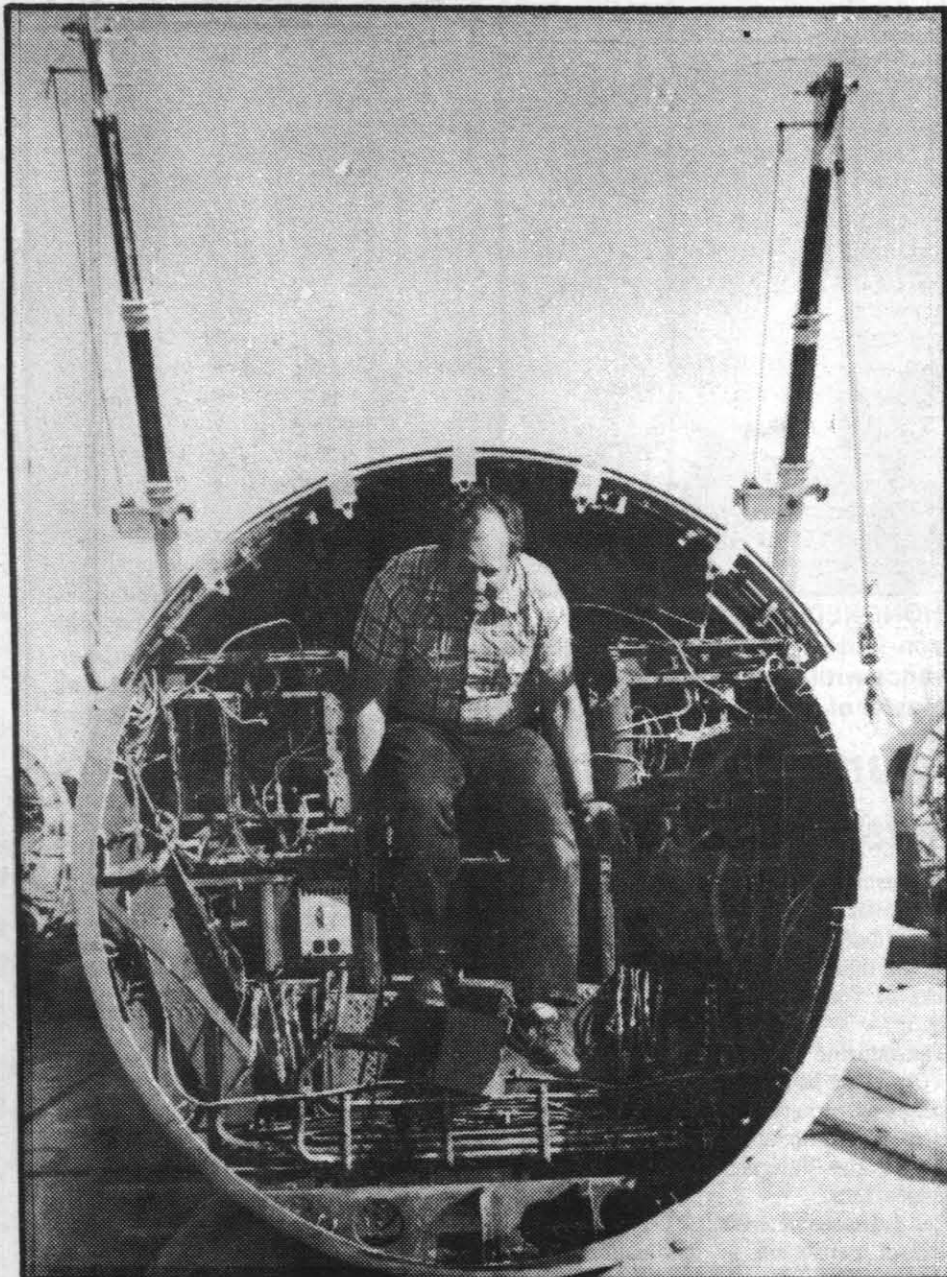
"Everyone needs to understand that there's a genuine and dedicated intelligence collection effort directed against United States forces," according to Maj. Larry Wortzel, a DOD counterintelligence staff officer.

"One service member taking one action or having one conversation generally won't give away an operation. But when you watch a whole series of things begin to happen, some pretty clear conclusions can be made," he said.

"I compare OPSEC to a jigsaw puzzle," he said. "When putting together a puzzle, you never know which piece is going to help a person complete the puzzle."

"Anyone who is not conscious of the need for operations security might be the one who provides the one tidbit of information that completes the puzzle."





**LOOKING GOOD** — Capt. John Stoney emerges from the fuselage of a B-29 after finding his team had succeeded in breaking the wing structure free of the fuselage. The B-29 is destined for the Air Museum at Travis Air Force Base. — Photo by PH2 Rick Moore

## Superfortress...

(Continued from Page 1)

capacity and the Center had been "an excellent host."

"The manual says you can't take apart a B-29 in the field, but that's what we're doing here. The experts say you have to take it to the factory or make junk out of it," said Capt. Stoney.

Last Friday Capt. Stoney and his volunteers were working to remove the wings to allow for transportation. High winds prevented them from taking the wings totally off the B-29, but they did succeed in breaking all the connections, leaving the wings free of ties to the fuselage for the first time in more than 40 years.

When the wind finally calmed (on Monday) two cranes from NWC, assorted jacks, cables, wrenches, wires and screwdrivers were used to take the entire wing assembly off in a single piece. The wings, the tail section and other assorted parts were placed aboard a C-5 and flown back to Travis AFB.

Capt. Stoney said the fuselage, engines and other parts will be kept at NWC until a training mission from Travis can be arranged to ferry the rest of this ancient B-29 to its new home in northern California.

Even before the Travis crew had departed, a team of volunteers from the South Dakota Air and Space Museum at Ellsworth AFB arrived at NWC to start retrieval work on yet another B-29 from the Center's stockpile of these old bombers.

Within a couple of weeks they hope to have their Superfortress taken apart enough for shipment back to the South Dakota prairie for restoration as a museum piece.

These heroes of World War II air battles are rapidly fading from existence in the United States, but at least two of them will one day be seen by thousands of visitors to museums in California and South Dakota thanks, in large part, to the cooperation of the Naval Weapons Center. As Capt. Stoney said, "we couldn't have done it without the help of the Navy."

## Only short time left to contribute to Combined Federal Campaign

Three weeks into the 1985 Combined Federal Campaign, China Lakers have pledged more than \$86,000 to charity according to Natalie Harrison, Community Liaison Assistant, who is coordinating the CFC fund drive.

"As of Friday (Nov. 8) we have collected \$86,371.30. There are still a lot of codes that haven't turned in any reports yet," said the coordinator.

The 1985 drive is officially over as of today (Nov. 15), but Loretta King, Assistant Public Affairs Officer who joins Natalie Harrison in coordinating the drive, expects it will take another two weeks to collect all the pledges and donations from codes at China Lake.

This is the only-on-the-job fund raising campaign of the year for civilian and military federal employees. The China Lake coordinators urge employees who have not made a donation or returned a completed pledge card to do so today.

Monies generated provide funding for agencies that are part of the United Way of Indian Wells Valley, National Health Organizations, National Service Agencies and International Service Agencies. In addition, donors can earmark funds for independent groups that come under the CFC umbrella like the Fire Mountain Foundation. These independent agencies get only what is designated for them by donors.

China Lakers are encouraged to dig deeply and give generously. They are also encouraged to designate specific organiza-

tion to receive donations. That way individuals know their money is going where they think it will do the most good.

Key personnel in all China Lake codes have been handing out pledge cards and information about the CFC drive. Employees are urged to return completed pledge cards as soon as possible.

Any questions about the CFC drive can be answered by the key person in each code. Additional information is also available from China Lake's CFC coordinators.

All donations are fully tax deductible from state and federal income taxes. Donations can be made in a lump sum by check or cash, or through authorized payroll deductions. The minimum deduction is \$1 per pay period. The payroll allotment would start in January, 1986.

## Scholarship grants given by Elks Lodge

Students planning to pursue a vocational/technical course in a school or college leading to an associate degree, certificate, or diploma, but less than a baccalaureate degree, are eligible to compete for \$2,000 grants offered by the Elks National Foundation.

Application deadline is November 25, 1985, and applications must be submitted to the student's local Elks Lodge.

Applications are available from Cerro Coso Community College and the local Lodge of the B.P.O. Elks of the U.S.A.



## China Lake Police Reports

On Saturday an unsecured animal was run over in the Site B Capehart housing. The animal control officer responded and picked up the injured animal.

An altercation between a civilian husband and wife in the Site A Capehart housing got violent enough so that the CLPD was called on Saturday. Officers responded and settled the altercation.

A two-year-old youngster wandered up to a residence in the Site B Capeharts and said he was lost. He was able to identify himself sufficiently so that CLPD officers were able to contact the tot's father and reunite the two.

A bicycle was stolen from a yard in the Site B Capeharts. The bike had not been locked or secured.

Kern County Sheriff's Office personnel asked help from CLPD in identifying government property in possession of four military personnel. The property was identified as a tail hook from an A-7 aircraft. The property was recovered, and the four were booked into jail in Ridgecrest.

During an interagency investigation between Ridgecrest and China Lake police, a suspect was found to be in possession of numerous items that had been removed from the Navy Exchange without having been paid for.

On Monday officers responded to a peace disturbance call in the Site B Capeharts. Causing the disturbance were seven juveniles. Police quieted the disturbance.

Friday night proved to be a little too much for patrons of the Enlisted Mess. China Lake police had to respond twice to "keep the peace" calls.

Traffic highlighted China Lake police's efforts one day last week. Two traffic accidents occurred: a truck lost gravel, which damaged the windshield of a car, resulting in minor damage, and another vehicle backed into a telephone pole, with minor damage to both. No injuries were reported for either accident.

A driver stopped for a vehicle code violation was found to be unlicensed.

When a vehicle rolled over at the old Windy Acres airport, two persons were injured and the vehicle itself suffered major damages.

Four suspects were apprehended for overturning a small vehicle in the Enlisted Mess parking lot. They were found to be military on TAD at China Lake. Appropriate action has been taken.

A driver stopped for a vehicle violation was found to be driving on a suspended license. In addition, the driver had no car insurance.

# Vampires select AE3 John Linford as top sailor

Aviation Electrician's Mate Third Class John Linford has been singled out for recognition by Air Test and Evaluation Squadron 5 (VX-5) as Sailor of the Month for October.

A veteran of three years of active Naval service, AE3 Linford is a quality assurance inspector on squadron aircraft including the OV-10A, A-4M, TA-4J, A-6E, A-7E and the F/A-18. He works out of the AE Shop at Hangar One.

In a letter of commendation Petty Officer Linford received from Capt. Marty Phillips, VX-5 Commanding Officer, the

Skipper noted, "Your desire and ability to readily grasp technical concepts on the F/A-18, A-7, A-6, A-4, and OV-10 aircraft earned you the assignment of electrical systems Collateral Duty Inspector (CDI), a

position normally attained only by senior Petty Officers. Readily assisting others, you have fostered a teamwork atmosphere within the command and earned the total admiration and respect of your ship-

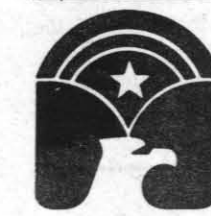
mates." A native of Salt Lake City, Petty Officer Linford joined the Navy to receive technical training and experience as well as to take advantage of the job security which military service offers.

AE3 Linford said, "The excitement of seeing a military aircraft leave and come home safely" is one of the reasons he enjoys his present assignment at VX-5. In addition, he enjoys working with people and the technical challenge that exists at VX-5.

While not busy at the airfield, he enjoys flying model airplanes and listening to music.

The Vampire's Sailor of the Month and his wife, Monica, have one son, John Christian, 16 mos., as well as one on the way, which should arrive in time to witness holiday happenings.

For being selected as Sailor of the Month, Petty Officer Linford received a squadron plaque with his name inscribed on it, a parking space at Hangar One for one month, and a 72-hour special liberty.



## Military News

## Drug danger nothing new

Which one doesn't belong: a) Designer jeans, (b) Designer cars, (c) Designer drugs, (d) Designer chocolates, and (e) Designer sheets.

If you picked c, go to the head of the class.

Controlled substance analogs, more commonly referred to as "designer drugs," have the potential of being a large problem, according to the Drug Enforcement Administration.

These drugs are chemically altered just enough to circumvent the Controlled Substances Act, which identifies dangerous drugs by their unique chemical makeup.

Dr. Brian Cox, professor of pharmacology at the Uniformed Services University of the Health Sciences, said amphetamines are among the most readily modified drugs. "Home chemists are increasing the complexity of the structure of the amphetamine molecule to create MDA," he said. "Currently one of the most popular designer drugs is MDMA — methylene dioxymethamphetamine, (street name: "Ecstasy," or XTC) — closely related to MDA, the love drug of the 1970s.

The idea of altering chemicals to produce new drugs is not new. Drug companies do it all the time. However, pharmacologists doing it for therapeutic reasons extensively test their new discoveries over long periods of time to alleviate potentially dangerous side effects.

Another catastrophic danger of designer drugs is unexpected neurotoxicity not present in the parent drug. An example is MPTP — a particularly vicious by-product of the efforts of amateur chemists to come up with controlled substance analogs from other chemicals... and not doing it right. In many cases, MPTP produces a chemical Parkinson's disease. The effects — tremors of the hands and fingers, rigid muscles, slowness of movement and speech and a mask-like, expressionless face — are irreversible, and some users have died.



**PROUD VAMPIRE** — AE3 John Linford, whose job it is to perform quality assurance inspections on aircraft at VX-5, has been singled out as Sailor of the Month by the Vampires. — Photo by PH2 Greg Hogan

## Single star admirals change title

The fiscal year 1986 Defense Authorization Act has changed the title of O-7 from Commodore to Rear Admiral (Lower Half). It remains a one-star rank.

The following guidelines are provided: The official title for the grade of O-7 is Rear Admiral (Lower Half). For the grade of O-8, the title is Rear Admiral. Both O-7s and O-8s will use the title Rear Admiral in correspondence (with the abbreviation RADM, to be used for both grades when appropriate.)

When addressing all flag officers, the title "Admiral" is appropriate.

These changes are effective immediately.

## Military Days

Military Days will be celebrated at Magic Mountain on Nov. 17, 23, 24, 28, 29, 30, and Dec. 1. On those days, ticket prices are \$7.45 per person, provided that the tickets are purchased in advance at the Information, Ticket and Tour Office, Mondays through Fridays, between 9 a.m. and 5:30 p.m.

The ITT Office is now located at the corner of Lauritsen Road and Blandly Avenue; entrance to the ITT Office is on the east side of the building.

## Para riggers earn praise after TA-4J crew has to eject...

(Continued from Page 1)

During the descent they saw a fireball dropping beneath them as their aircraft was consumed by fire. The spectacular fireball was also watched by a Piedmont airline pilot, by the governor of Virginia, who was flying in the area in his plane, and by many observers on the ground who were alerted by the sound of the aircraft's exploding.

"I didn't see Tom's chute because he was above me," Cdr. Miller said, "and I had a couple of bad minutes worrying about whether he had gotten out. I felt a lot better when I saw him."

The two men tried to maneuver their parachutes into a cleared space rather than landing in the heavily wooded area immediately beneath them. During the 12 to 13 minutes that it took for their descent, Cdr. Miller says he mentally went through all the decisions he had been taught to make, such as whether to drop the seat pack with survival gear (no, because it might cushion the landing), loosen oxygen mask (yes, so there'd be some air, but the

mask being partially on would protect his face), and pull visor down on helmet to protect his face.

Cdr. Miller says Maj. White landed near a paved road, but he tried for the large yard of a house that he saw in a clearing. He decided he was not able to land in the back yard, but didn't feel he could clear the house, so he steered himself along the drive.

There were two tall trees, he notes, of which one had leaves and one didn't. He managed to avoid the one with the leaves — and found himself caught in the other. "The canopy draped itself over the top," he said, "and there I was about 20 to 24 feet up."

He said the first person to spot him was someone driving along the road who had spotted the parachutes descending and was trying to locate the men. This man knocked on the door of the house and alerted the residents, who came out. "A crowd gathered fast then," he says. "They told us it was the most exciting thing that happened there since Lee's surrender."

He decided that he was not going to cut his shroud lines and drop to the ground. "I was in good shape up there, and it would have been dumb to risk getting a broken arm or leg in a fall at that time," he said.

After about 20 minutes of dangling while the search went on for a ladder, someone found an aluminum ladder wasn't quite long enough. Once the ladder was set in the back of a pickup truck, it was long enough so a man climbed it and let Cdr. Miller sit on his shoulders.

"My left leg had gone numb because the circulation was shut off. It took about 5 minutes of massage before I could get enough feeling in it so that I could climb down the ladder," he says.

By this time, Maj. White had joined the watching crowd, and had gone into the house to telephone China Lake and let personnel here know what had happened and that they were safe. Maj. White then got into the back of an ambulance, and awaited Cdr. Miller.

"We were both in the ambulance," he said, "when a Marine looked in and asked

where we wanted to go." Three helicopters had joined in the rescue, landing near by. They flew back to NATC in the Marine helo from Quantico, Va., and then were taken to the clinic for physical examination and debriefing.

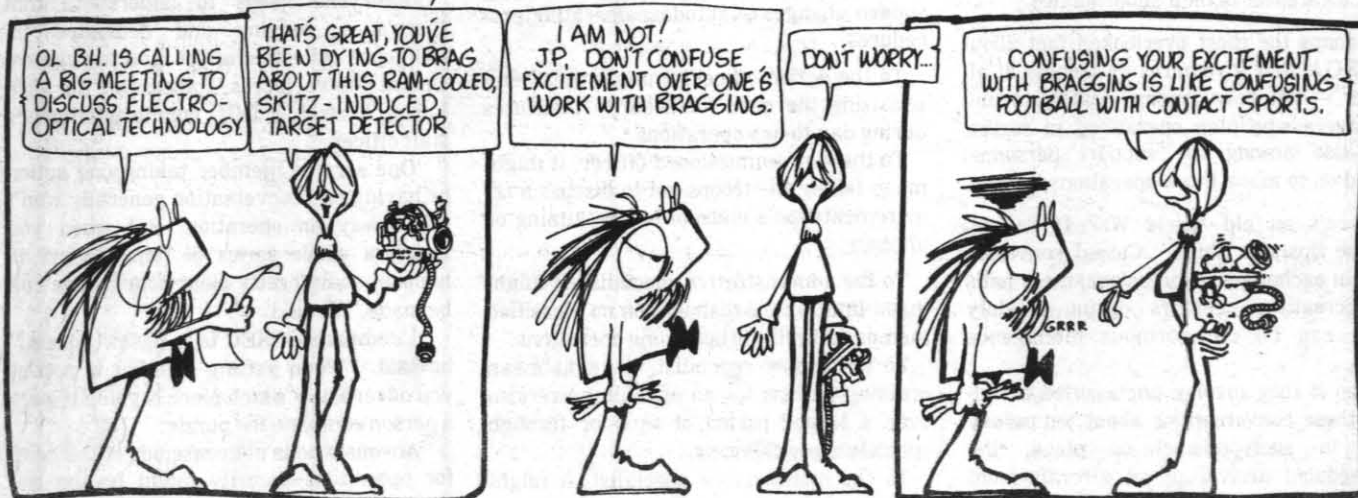
Maj. White has a badly broken left thumb and is currently undergoing treatment in Long Beach. Other than a cut left knee and lots of bruises ("they are still coming to surface," he says) Cdr. Miller was unharmed.

"This episode proved the value of training to me," Cdr. Miller concluded. "Because of the training and regular refresher training, I knew what I was supposed to do, what evaluations I needed to make. With the training, and by having listened to the experience of others, I knew the decisions I needed to make and had the information to make them."

He adds it's the first time in nearly 5,800 hours of flying he's had to punch out. He also adds that he hopes it will be the last time he'll have to make a mid-air exit from an aircraft.



## Mike's Lab by Ed Emery







## Personnel Development Opportunity

appear nervous. You will learn techniques that will give you confidence in all three areas. Topics include goals for different types of presentations and audiences, organization of material, nonlinear outlining, level of detail, visual aids, making good viewgraphs, preparations for being seen and heard, handling nervousness, delivery, and handling questions. For the final activity, you will give a short presentation that will be videotaped, played back, and discussed.

Deadline: 26 November.

### ASSERTION TRAINING

11-13 December, Wednesday-Friday, 0800-1700, Cerro Coso Community College, Room 145. By: R. McCullough.

Scope: Training in positive communication skills with emphasis on assertive behavior that allows you to respect your own rights and at the same time respect the rights of others. Topics include myths that block assertiveness; methods of communication; making agreements; constructive use of energy; protective techniques; and definitions of passive, aggressive, and assertive behavior.

Deadline: 27 November.

### GETTING RESULTS THROUGH PEOPLE

11-13 December, Wednesday-Friday, 0800-1600, Chart Room of the Commissioned Officers' Mess. By: Roger Kirkham, American Training Alliance.

Objective: This class is designed to give managers and supervisors at all levels some specific tools, techniques, and approaches that have been proven effective in getting results through people.

Scope: Topics include the difference between being busy and getting results, getting results through objectives, avoiding drains on productivity, the ABCs of decision making, how to motivate subordinates, identifying why communication sometimes goes sour, constructive confrontation, resolving mutual conflict, and how to have effective meetings.

Note: This class duplicates many aspects of "Introduction to Supervision." If you have taken "Introduction to Supervision" you should only take "Getting Results Through People" if you want a review.

Deadline: 27 November.

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

### TRANSFERRING RECORDS TO A RECORDS CENTER

11 December, 14 February, 9 April, 17 June; 0800-1200; Federal Records Center, 24000 Avila Rd., First Floor, Laguna Niguel, California. By: National Archives and Records Administration, Los Angeles Federal Records Center.

Scope: This workshop will provide instructions on the procedures for transferring semicurrent records to the Los Angeles Federal Records Center. The workshop will give training in the steps to complete the paperwork for transferring records; procedures for requesting reference service; the completing of transfer documents; and will give a description of agency participation in the disposition of records. You will also have a tour of the Los Angeles Federal Records Center. Persons involved in the direct transfer of records to the Los Angeles Federal Records Center are eligible to take this class. The class is free of charge.

Nominate employees by memorandum to Federal Records Center P.O. Box 6719

Laguna Niguel, CA 92677-6719

Nominations must be in writing; no nominations or reservations will be taken over the phone. Nominations must be submitted at least 2 weeks before the date of the workshop. We reserve the right to cancel any workshop if less than 10 applications are received 2 weeks before the workshop date. Registration is limited to 25 persons per session.

For more information call FTS 796-4220 or COMM. (714) 643-4220. (Code 094)

### FINITE ELEMENT ANALYSIS - SELF-STUDY VIDEO

Chapel Annex, Bldg. 95, Training Center.

Prerequisite: Undergraduate degree in engineering or science.

Scope: Topics are basic concepts of engineering analysis, analysis of continuous systems, differential and variational formulations, formulation of the displacement-based finite element method, generalized coordinate finite element models, implementation of methods in computer programs, formulation and calculation of isoparametric models, formulation of structural elements, numerical integrations, solution of finite element equilibrium equations in static analysis, solution of finite element equilibrium equations in dynamic analysis, mode superposition analysis, time history, and solution methods for calculation of frequencies and mode shapes.

Note: Textbooks and study guides will be provided. Continuous open enrollment.

### SELF-STUDY COURSES IN ELECTRONICS

#### BASIC ELECTRONICS

Available from Training Center Chapel Annex 95, this course is designed for people with little or no previous training in physics, electronics, or computer science. It is used as a prerequisite for people intending to take the Electronics Technology curriculum on Action-Code. Students without access to an Apple computer may schedule time on the Code-094 Apple computers, which are available after hours, on week ends, and during regular working hours.

You will learn how to understand and apply the scientific, mathematical, and electrical principles of electronics. Topics include atomic theory, electronic math, Ohm's Law, DC power, current, voltage resistance and fundamentals of circuitry, and identification of electronic symbols and components. Modules may be taken independently of each other.

#### BASIC ELECTRONICS—APPLE II (700 hours)

A Self-Paced Course, Monday-Friday, 0730-1630, Building 95 (Chapel Annex).

Prerequisite: None.

Scope: This course consists of 25 microcomputer lessons that are divided into five modules dealing with the following fundamentals of direct-current electronics: electronic math, atomic theory, fundamentals of DC circuitry, electronic prefixes, and symbols and components.

The course is a self-contained package for use on the Apple II; ability to access the Apple II is necessary. For more information, call Jana at ext. 2451.

Deadline: None.

## Recent additions

CODE	NAME	TITLE
081	Rucker, Lisby I.	Resource Analyst
092	Teeter, Joan C.	Staffing Clerk (Typing)
093	Russell, Amira M.	Clerk-typist
2413	Atiogue, Henry O.	Police Officer
2413	Burke, David M.	Police Officer
2413	Holford, Matthew J.	Police Officer
24213	Avila, Joseph D.	Firefighter
24213	Davis, Terry R.	Firefighter
2633	Caros, Raymond G.	Electrical Engr.
2637	Higgins, Neil C.	General Engr.
26421	Rowan, Nicholas L.	Insulator
26603	Everhart, Julia L.	Clerk-typist
3143	Denney, Terry L.	Electronics Tech.
3191	Dobberpuhl, Jane M.	Secretary (Typing)
31922	Rogers, Fred T.	Physicist
3502	Hatzenbeuhler, Kimberly	Data Transcriber
3551	Carmichael, Barry R.	Mathematician
3642	Edwards, Kent T.	Mechanical Engr.
3664	Davis, Donald R.	Logistics Mgt. Spec.
3681	Moore, Samuel S. II	Materials Engr.
3681	Rios, Christopher L.	Production Controller
3682	Smith, Gerald L.	Qual. Assurance Spec.
3923	Hire, Tomma A.	Computer Systems Analy.
61311	Jennings, Robert W.	Electronics Tech.
6204	Smith, Jerald L.	Electronics Engr.
6413	McDonald, Sean C.	Engrg. Tech.

## Recent departures

03A	Bayne, Joan L.	Secretary (Typing)
0853	Perryman, Vicki A.	Payroll Clerk
61214	Burnett, James J. Jr.	Electrical Engr. Tech
6413	Dedmon, Valerie J.	Secretary (Typing)



## 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 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.

No. 25-089, Procurement Clerk (Typing), GS-1106-4/5, Code 25251 — Incumbent is responsible for providing clerical support in the form of typing (utilizing Xerox 860 work processors, filing, compiling data, maintaining logs, and performing follow-up on action item suspense dates for a wide variety of contractual actions. Incumbent maintains instructions and DAR Clause Books, reviews correspondence and suspense action items, and receives visitors and telephone calls. Uses a wide variety of guidelines including DOD and Navy instructions, Contract Division Operating Procedures on Defense Acquisitions Regulations and Clause Books. Knowledge: of correspondence regulations, and contractual terminology. Ability: to meet with people effectively and prioritize work under heavy workload conditions. Promotion potential to GS-7, however, not guaranteed.

No. 25-090, Clerk-Typist, GS-322-4, Code 25253 — Incumbent is responsible for providing clerical support in the form of typing (utilizing a word processor, filing, compiling data, maintaining logs and performing follow-up on action items of wide variety. Position requires frequent personal and telephone contacts with individuals at all levels of Navy and DOD contractors; receiving and directing visitors and phone calls, and answering routine questions. Incumbent works with a wide variety of guidelines including DOD, Navy and NAVWPNCEN instructions, and Contract Division Operating Procedures, screening all incoming correspondence and often drafting routine responses, and maintaining the calendar for the division head and staff. Knowledge: of Navy correspondence procedures. Ability: to operate word processing equipment.

No. 26-203, Sheet and Plate Metal Worker, WG-3801-11, Code 26448 — Incumbent is

responsible for the layout, fabrication, assembly and installation of prototypes and experimental parts and equipment made from various types of ferrous and non ferrous metal and alloys. Performs electric arc welding, oxyacetylene welding, radio graph machine cutting. Job Relevant Criteria: Knowledge of materials, guides, etc.; computing and trade mathematics; layout and pattern development; ability to cut materials pertinent to the trade; ability to braze, solder, spot weld and gas weld; ability to use hand and power equipment (braking, forming, fastening, etc.); reading blueprints; ability to do sheet and plate metal work without more than normal supervision.

No. 26-204, Engineering Contracts Management Specialist, DA-301-1, Code 26304 — This position is responsible for administering the Department's Architect-Engineer contract programs. Duties include preparing scopes of work and government cost estimates and documentation of negotiation board meetings minutes. Assists in synopsis contracts and reviewing payment requests from contractors. Job Elements: Knowledge of Architect-Engineer contracts. Ability to compile data, maintain records, review and analyze information; to deal effectively with people; to maintain computer programs and history data from computer files. Promotion potential to DA-2.

No. 31-245, Supervisory Interdisciplinary (General/Electronics/Electrical Engineering/Computer Scientist/Physicist/Mathematician), DP-801/855/850/1550/1310/1520-3, Code 3115 — Position is that of branch head, Software Engineering Environment Branch, Avionic Facilities Division, Aircraft Weapons Integration Department. The branch develops, manages, operates and maintains the Department ADPE

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Naval Weapons Center, China Lake, California 93555-6001

resources that are shared by multiple projects. This includes the General System Support Facility (GSSF) used for the Department's general purpose computing requirements (i.e. word processing, data base work) and the Data Analysis and Presentation Center (DAPC) used for data reduction, analysis, and presentation requirements for the data from the different WSSFs and program flight tests. The branch also analyzes and defines tools requirements for verification and validation, OFP and support software development, and procures/develops, integrates and maintains tools to satisfy the requirements. The incumbent will serve as Branch Head and provide overall direction, coordination and management of branch activities. Job Relevant Criteria: Knowledge of Weapons Systems Support Activities (WSSAs) mission requirements; an understanding of avionic facilities hardware and software analysis, design and operations; experience in embedded computer applications and productivity enhancements, including hardware and software tools; knowledge of computer systems architecture and applications; understanding of NWC personnel policies and procedures; and ability to support NWC EEO policies and goals.

No. 32-190, Physical Science/Chemical Engineering/Engineering Technician, DT-1311/802-1/2/3, Code 3267 — Incumbent is responsible for learning safe procedures for explosives processing operations and assisting other branch personnel on processing projects. Tasks include participating in process planning, making and writing process observations, collecting data, writing summary reports and maintaining a clean orderly work area. Knowledge: of elementary physics and/or chemistry; and basic mathematics. Ability to learn, retain, and apply mathematical formulas; communicate orally and in writing; and work with minimum supervision after training and certification. Status eligibles may apply. Promotion potential to DT-3.

No. 36-340, Quality Assurance Specialist, DS-1910-1, Code 3682 — Incumbent will assist in the implementation of quality assurance techniques on NAVWPNCEN projects. Elements: Ability: to communicate orally; to communicate in writing; to apply quality assurance specifications, policies and instructions to government contracts. Frequent travel is required. Promotion potential to DS-3.

No. 36-342, Quality Assurance Specialist, DS-1910-1, Code 3681 — Incumbent assists senior specialists in the implementation of process controls, procedures, practices, principles, methods, techniques, and disciplines pertaining to solder technology support during the planning, design, fabrication testing and production of weapons systems, related equipment and components. This is a training position. Promotion potential to DS-3. Elements: Knowledge: of WS-6536 process controls,

procedures and requirement for preparation of soldering of electrical connections desirable. Ability: to communicate effectively orally; in writing essential.

No. 61-119, Quality Assurance Specialist, DS-1901-1, Code 6141 — This position is located in the Magazine Branch, Ordnance Division, Aircraft Department. Incumbent performs quality assurance planning, receipt inspection, storage/segregator compatibility control, preshipment inspection, document control, submit waiver request, and discrepancy reports. Knowledge: of ordnance inspection and storage; ordnance shipping procedures. Ability: to communicate, both orally and in writing. Status eligibles may apply. Promotion potential to DS-2.

No. 36-343, Interdisciplinary, Computer Specialist, Logistics Management Specialist, Quality Assurance Specialist, Engineering Management Specialist, DS-334/346/1910/301-2/3, Code 3605 — Incumbent identifies needs; examines, analyzes and evaluates software project plans and gives advice for software management of weapons systems. Elements: Knowledge: of military specifications, instructions, and methodologies for development, documentation, management controls, quality assurance and test of software; of software development; of operational support of weapon systems software. Ability: to perform analysis regarding computing applications; communicate orally; to communicate in writing to a wide variety of technical and nontechnical audiences. Promotion potential to DS-3. Status eligibles may apply.

No. 22-8548, Child Caregiver Supervisor, PS-0189-5, \$5.19 per hour, Code 2222 — Incumbent supervises the day-to-day operations of a Preschool/Kindergarten Program. Supervises all aspects of the developmental program for children 3-6 years. Supervises a staff of 8-10 Caregivers and assistants. Selects, assigns, and supervises all NAF personnel and volunteers. Maintains required records of the operation of the Center. Conducts parent/teacher conferences. Supervises a food program. This is not a Civil Service position.

No. 35-103, Computer Engineering Technician, DT-802-A, Code 3521 — Incumbent supports the digital computer facilities for the RF Development Division. The primary user of these facilities is the Advanced Seeker Program for the Highspeed Anti-Radiation Missile (HARM). Incumbent will work with a team of computer scientists and software engineers. Knowledge: micro and mini computer systems; computer languages. Abilities: perform assigned tasks in support of the day-to-day operation of the computer facilities, such as making file backups, changing magnetic tapes, installing paper and ribbons in printers, data entry, and record keeping; to communicate clearly and concisely. Promotion potential: DT-1.

## 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. 063-008, Interdisciplinary, (General/Mechanical/Electrical Engineer, Physicist), DP-801/830/850/1310-2/3, Code 0631 — Serves as focal point for program offices and other sponsors for test work on the NAVWPNCEN ranges. Responsibilities include test planning, fiscal management,

test coordination, analysis and documentation for the F/A-18, A-7, and A-6 Test and Evaluation Program. Coordinates the efforts of professional and technical teams. Requires contact with sponsors, technical and administrative personnel, Center managers, contractors, and national



associates. Send SF-171 to M. Lloyd, Code 0631, NWC ext. 5807.

No. 063-009, Interdisciplinary, (General/Mechanical/Electrical/Aerospace Engineer, Physicist, Mathematician, Computer Scientist), DP-801/830/850/861/1310/1520/1550-3, Code 0632 — This position is that of a Project Engineer in the General Projects Office of the T&E Directorate. 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, fly-over testing, ordnance and magazine effectiveness testing. The incumbent serves as the primary contact between sponsors and range personnel, and frequently interfaces with all levels of management of the 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. Send SF-171 to G. Osterman, Code 0632, ext. 5808.

No. 33-036, Interdisciplinary (Electronics Engineer/Physicist), DP-855/1310-2/3, Code 3336 — This position is located in the Phoenix Fuze Systems Branch, Fuze Systems Division, Fuze and Sensors Department. Incumbent will be responsible for the design and support of the Phoenix DSU-28/B Target Detecting Device. In addition, the incumbent will be responsible for interfacing with NAVAIRSYSCOM, FLATC, PMTC, and Hughes Aircraft Company. To apply, send SF-171 to Jerry Mumford, Code 333, NWC ext. 1315. Promotion potential to DP-3.

No. 39-116, Interdisciplinary, Physicist/Computer Scientist/Mathematician/Electronics/Aerospace/Mechanical Engineer, DP-1310/1550/1520/855/860/830-2/3, Code 3912 — (Multiple vacancies). These positions are in the EO Missile Systems Branch, located in the Weapons Synthesis Division. The incumbent will develop weapon system simulations and conduct analysis and evaluation of proposed, developmental, and operational electro-optical guided missiles. Simulations are all-digital as well as hardware-in-the-loop (HWIL), and include aerodynamic, propulsion, servo, autopilot, and seeker subsystem models. Knowledge of techniques and methodologies specific to weapon system analysis, familiarity with the VAX computer and experience with Fortran software development, and previous experience in weapon system simulation or control system analysis desirable but not required. Ability to communicate orally and in writing. Please send an updated SF-171 to John Freeman, Code 3912, NWC ext. 2392.

No. 39-117, Electrical Engineer/Electronics Engineer, DP-850/855-2/3, Code 3942 — This position is located in the Air-to-Surface Guidance Branch, Electro-Optics Division of the Weapons Department. The incumbent will participate in the review, analysis, test, and evaluation of electro-optical guidance systems, and will involve coordination and liaison with elements of NAVWPNCEN, NAVAIR, and contractors. Knowledge of electro-optical guidance and experience with laser and IR guidance is desirable. Travel abroad may be required. To apply for this position, forward an updated SF-171 to Don Gay, Code 3942, NWC ext. 3341.

No. 6202-19, Interdisciplinary (Electronics Technician/Electronics Engineer/Program Manager, DP-856/855/340-3/4, Code 6206 — This position is for the Operations Security (OPSEC) Program Manager for the Test & Evaluation Directorate and is functionally located in the Range Department. As the principal OPSEC officer for the T&E Directorate, the incumbent will plan, direct, implement, and evaluate OPSEC techniques for T&E operations and manage and direct the Directorate OPSEC improvement program. Duties will include, but are not limited to, the following: consult and advise the T&E Director on protection of weapons systems testing data: plan, direct, implement and evaluate OPSEC techniques to preserve requisite secrecy before, during, and after operations; oversee OPSEC

training for Directorate personnel; develop improvement program requirements; establish and implement an improvement program plan including schedules, costs, required resources; and control and monitor improvement program progress. Incumbent must have a high degree of analytical ability. Should possess effectively oral and written communication skills. Able to interface with all levels of personnel. Should have mature judgment to advise T&E Director and other senior managers. Applicant should possess knowledge of OPSEC rules and regulations; internal NAVWPNCEN security posture; subservient organizations and their methods of operations or known sources of such information; test range operations; interrelationships of test range operation offices, facilities, and views. Status eligibles may apply. DP-4 filled by reassignment only. Send SF-171 to R. Printy Code 62A, ext. 6200.

No. 623-123, Mechanical Engineer, DP-830/1/2/3, Code 6232 — This position is in the Range Engineering Branch of the Range Department. The branch provides engineering support to the Center's ground, air and track test ranges in the areas of test facilities planning and the design, procurement, installation and modification of test range facilities. Incumbent will prepare engineering designs for the modification, fabrication, construction or installation of mechanical/structural test support equipment, structures and related test hardware for range test programs. Incumbent must plan, schedule, coordinate and monitor work to ensure finished product meets design specifications and will fulfill customer requirements. To apply for this position, send a current SF-171 to Eric Kajiwara, Code 6232, NWC ext. 6287.

No. 35-105R, Interdisciplinary (Electronics/Electrical/Aerospace Engineer, Physicist), DP-855/850/861/1310-2/3, Code 3541 — Position is that of System Engineer for the INADS Emitter Simulator Program. Incumbent provides technical engineering support for the INADS Emitter Simulator Program Manager. This will include the design and overall technical development of the INADS Emitter Simulator Systems. To apply, send an updated SF-171 to R. Gotzler (Code 3541), ext. 5572.

No. 35-104R, Interdisciplinary (Electronics/Electrical/Aerospace Engineer, Physicist), DP-855/850/861/1310-1/2, Code 3541 — Incumbent provides technical engineering support to the Semi-Active Test System (SATS) System Engineer working towards a goal of taking over the SATS system engineering position. To apply, send an updated SF-171 to R. Gotzler (Code 3541), ext. 5572.

No. 35-102R, Interdisciplinary (Physicist, Electronics/Mechanical Engineer, Computer 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). The incumbent will assist in systems definition and in coordinating the various design efforts which comprise the Advanced Seeker Program. To apply, send an updated SF-171 to J. Johantgen, Code 3524, ext. 2493.

No. 35-100R, Electronics Engineer/Physicist, DP-855/1310-3, Code 3552 — Position is that of a E/O-IR System Engineer with other emphasis on laser radar. Experience in design and operation of laser radar and other E/O-IR sensors desired. First-Forty work schedule. To apply, submit an updated SF-171 to Stuart Fields Code 3552, NWC ext. 3571, x297.

No. 35-099R, Electronics Engineer, DP-855-2/3, Code 3552 — The position is that of Servo System Engineer to perform servo measurement and modification to radar servo systems. First-Forty work schedule. To apply, submit an updated SF-171 to Stuart Fields Code 3552, NWC ext. 3571, x297.

No. 35-098R, Electronics Engineer, DP-855-3, Code 3552 — This position is as a Radar System Engineer in support of a ground-based phased array radar. The position is primarily involved with the digital signal processing part of the phased array. First-Forty work schedule. To apply, submit an updated SF-171 to Stuart Fields Code 3552, NWC ext. 3571, x297.

No. 35-097R, Electronics Engineer, DP-855-3, Code 3552 — This position is as a Radar System Engineer in support of a ground-based phased array radar. The position is primarily associated with the transmitter and antenna. First-Forty work schedule. To apply, submit an updated SF-171 to Stuart Fields, Code 3552, NWC ext. 3571, x297.

No. 35-104, Interdisciplinary (Electronics/Electrical/Aerospace Engineer, Physicist), DP-855/850/861/1310-1/2, Code 3541 — This position is located in the Radar Development Branch, Microwave Development Division of the Electronic Warfare Department. Incumbent provides technical engineering support to the Semi-Active Test System (SATS) System Engineer working towards a goal of taking over the SATS system engineering position. Knowledge: principles of radar system design, control theory, signal processing, and basic digital design. Abilities: to communicate effectively, both orally and in writing. Promotion potential: DP-3. Status eligibles may apply. Persons presently in

positions with promotion potential to the DP-3 level may submit an SF-171 directly to R. Gotzler Code 3541, ext. 5572.

No. 35-105, Interdisciplinary (Electronics/Electrical/Aerospace Engineer, Physicist), DP-855/850/861/1310-2/3, Code 3541 — This position is located in the Radar Development Branch, Microwave Development Division for the Electronic Warfare Department. Position is that of the System Engineer for the INADS Emitter Simulator program. Incumbent provides technical engineering support for the INADS Emitter Simulator Program Manager. This will include the design and overall technical development of the INADS Emitter Simulator Systems. Knowledge: of principles of radar system design, control theory signal processing, and basic digital design. Abilities: to communicate effectively both orally and in writing. Status eligibles may apply. Persons presently in positions with promotion potential to the DP-3 level may submit an updated SF-171 directly to R. Gotzler Code 3541, ext. 5572.

## 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 4/7/8/9; 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. 26-205, Secretary (Typing), GS-318-3/4, Code 2694 — The incumbent provides secretarial support to the Support Services Branch and the Energy Control Branch.

No. 36-341, Secretary (Typing), GS-318-4/5, Code 3687 — Incumbent provides secretarial support to the Systems Safety Branch. Status eligibles may apply. Promotion potential to GS-5.

## Soldering technology classes set

A "40 hour High-Reliability Soldering" course will be offered November 18-22, 7:30 a.m. to 4:30 p.m., in Building 00459, Dorm 10. The course is for government personnel requiring certification of WS-6536 as inspectors or operators.

A "24-hour High Reliability Soldering" recertification course will be offered November 19 thru 21, 7:30 a.m. to 4:30 p.m., in Building 00459, Dorm 10. The course is for Government personnel requiring recertification to WS-6536.

No. 61-116, Secretary (Typing), GS-318-5, Code 614 — This position serves as secretary to the head, Ordnance Division.

No. 625-067, Secretary (Typing), GS-318-4/5, Code 6255 — Provides secretarial support to the Advanced Systems Branch of the recently reorganized Data Systems Division. Status eligibles may apply.

Requirements for the course are: 1) previous soldering experience and, 2) an eye examination.

For further examination contact the Soldering Technology Branch, Code 36814, NWC ext. 2720 or 2678.

Requirements for the course are: 1) Previous 40-hour solder certification and 2) An eye examination.

For further information contact the Soldering Technology Branch, Code 36814, NWC extension 2720 or 2678.

## Notice Regarding Training Class Locations

During the next few months while the Training Center is temporarily closed, classes will take place in various locations in the valley. Notification of the exact location and directions on how to get there will be attached to the copy of your training request sent back to you indicating the approval of your enrollment.

There have been a few instances where the student has not received the enrollment approval prior to the start of the class, leading to lost time and effort trying to find the class.

If you have not received an enrollment form by 1 p.m. on the day prior to the start of a class you are planning to attend, call the appropriate number (listed below) to verify your enrollment status and the exact location of the class.

Professional/Technical	NWC ext. 2359
Supervisory/Management	NWC ext. 2349
Safety/Security/Supply	NWC ext. 2349
General Skills/Clerical/EEO	NWC ext. 2686
Academic/Trades	NWC ext. 2648



# personnel development opportunity

## EFFECTIVE WRITING SKILLS

5 and 6 December, Thursday and Friday, 0800-1600, Cerro Coso City Center, Room 113.

Scope: Provides you with information, skill, and supervised practice in the preparation of job-related letters, memos, and reports. Emphasizing clarity in the use of the English language, the workshop helps writers express exactly what they mean and evaluate their written material through the eyes of the reader. The class follows guidelines of the revised *Naval Correspondence Manual*.

Deadline: 21 November.

## TECHNIQUES OF EFFECTIVE LISTENING AND MEMORY IMPROVEMENT

13 December, 0800-1600, Cerro Coso City Center, Room 101. By: Bertram Barer.

Scope: To provide all levels of personnel with the skills and principles of effective listening and memory improvement. This workshop examines how we retain and understand information by our ability to listen actively. Emphasis is placed on how effective listening influences job productivity of management and employees.

Simulation activities and audiovisuals are used as learning tools. Students will learn the following skills in listening and memory.

- Blocking out competing messages
- Concentrating on messages being sent, face-to-face or by telephone
- Transmitting effective feedback to all levels of the organization, in person or by telephone
- Overcoming emotional barriers to listening and memory
- Remembering short and long lists of data in short and long term
- Improving ability to remember names of people, ideas, objects, dates
- Overcoming absentmindedness

Note: Only 15 requests will be accepted.

Deadline: 22 November.

## MANAGERIAL ACCOUNTING FOR THE TECHNICAL MANAGER CURRICULUM (TMC) PROGRAM

9-13 December, 0800-1400, Michelson Laboratory Conference Room B/C. By: Code 08 staff.

Intended Audience: TMC program participants.

Scope: This course is a survey of managerial accounting for the NWC technical manager. Emphasis will be on the application of accounting information to planning, control, and decision making. Topics covered include job order costing, overhead costing, responsibility accounting, and use of information in decision making. Case studies tailored to NWC managerial accounting will be discussed. Students should bring synopses of problems or techniques that they encounter in the financial aspects of their work for possible use as case studies.

Note: A final examination is required for TMC students.

Deadline: 22 November.

## SOFTWARE QUALITY ASSURANCE

12-13 December, 0800-1600, Cerro Coso City Center, Room 107. By: Jim Dorrell.

Intended Audience: Managers, engineers, and specialists who need to implement or work with software quality assurance (SQA).

Scope: This class will acquaint you with the background and methods needed to accomplish SQA. The emphasis is on tactical digital computer programs; however, the concepts apply to automatic data processing applications as well. Topics include the SQA program, requirements, techniques, and methodologies; the software life cycle and SQA involvement; DOD/Navy standards, specifications, and directives; software documentation and configuration management and the SQA involvement; software testing and the SQA role; and the role of SQA in reviews and audits. Software-quality metrics will be discussed in an overview.

Deadline: 25 November.

## ASSISTING THE TECHNICAL USER\*

16 December, 1230-1600 or 17 December, 1230-1600; Cerro Coso City Center, Room 107. By: Richard Sawyer, Consultant.

Scope: Topics include methods to help technical people get what they need; insight into the ways in which scientists and engineers think about contracting; specific tools and techniques that can be used to improve the relations between user and buyer. The class includes lecture, examination of a case, and group discussion.

\*For contracting personnel.

Deadline: 25 November

## WORKING EFFECTIVELY WITH PEOPLE

9 and 10 December, Monday and Tuesday, 0800-1600, Commissioned Officers' Mess Chart Room. By: Roger Kirkham.

Scope: You will receive specific tools, techniques, and approaches that will enable you to

- understand how false perceptions determine how people react
- recognize and understand the three ego states
- accept responsibility for how you feel and react
- apply transactional analysis
- avoid and prevent barriers that stifle effective interpersonal communication
- avoid communicating negative expectations
- avoid assuming ownership of problems that don't belong to you
- increase your ability to effectively listen
- know how to get emotional outbursts from others under control

The goal of this course is to cause constructive change. It is not enough to have you enjoy the training; our approach is to get you to take the tools, techniques, and approaches you receive in the training and actually apply them in your own, individual job situation.

Deadline: 25 November.

## ELECTROMAGNETIC ENGINEERING COURSE

CONCEPTS AND THEOREMS OF ELECTROMAGNETIC ENGINEERING AND THEIR APPLICATION TO ANTENNA AND SCATTERING PROBLEMS

16-20 December, Monday-Friday, 0800-1600, Heritage Inn. By: Prof. Prabhakar H. Pathak and Prof. Robert G. Kouyoumjian, Department of Electrical Engineering, Ohio State University.

Scope: Provides an understanding of analytical methods useful in solving electromagnetic antenna and scattering (radar) problems of engineering interest. Theorems and general concepts essential to the analysis will be presented, and their application to formulating the theoretical solutions will be stressed. Solution methods based on modal expansions, the moment method and the geometrical theory of diffraction will be introduced. Also, some analytical techniques that are useful in the area of antenna/scattering measurements (e.g., in the design of compact ranges and in the construction of far-field data from near-field measurements) will be discussed.

Texts: Code 094 will provide the text: *Electromagnetic Fields*, by J. Van Bladel, published by McGraw-Hill (and now being published by Hemisphere Publishing Corp.). Students must have the following text before class (the text can be ordered through the Technical Library): *Time Harmonic Electromagnetic Fields*, by R. F. Harrington, published by McGraw-Hill.

Deadline: 25 November.

## TECHNICAL PRESENTATIONS (BETTER BRIEFING & PRESENTATION)

10 and 11 December; Tuesday, 0800-1600; Wednesday, 0800-1700; Police Department Training Room. By: M. Cartwright.

Scope: Addresses the three goals that most people have when they make technical presentations: (1) to communicate information effectively, (2) to demonstrate technical competence, and (3) to not