

Mozart opera to be heard at NWC

Members of the Indian Wells Valley Concert Association and those fortunate enough to obtain single-event tickets will be treated to a new production of Mozart's opera "Don Giovanni" next Wednesday at 7:30 p.m. in the Center theater.

The opera, presented by Western Opera Theater, tells the story of the notorious libertine Don Juan. The presentation is in English. The 17 cast members are accompanied by two pianos and harpsicord.

Single-event tickets are on sale at The Music Man and Medical Arts Pharmacy in Ridgecrest, and at the Maturango Museum at China Lake. A standby list will be taken at 375-5600 for people willing to wait until the day of the concert for seat releases. When single-event tickets are all sold, (Season ticket holders who aren't able to attend are asked to phone 375-5600 to release their tickets for resale as soon as possible.)

Tickets are \$7 for general admission, and \$5 for those over 65, under 21, and for full-time enlisted military personnel.

The engagement is supported in part by funds from the California Arts Council, a state agency, and the National Endowment for the Arts.

Western Opera Theater will also present a one-hour introductory program on opera on Wednesday morning at 10 a.m. in the Center theater, designed primarily for school children in the Indian Wells Valley. A limited number of seats will be available to the general public for this free program, which is presented as an educational service of the IWVCA's Student Education Fund.



ROMANCE? — Don Giovanni flirts with the servant girl, Zerlina, in Mozart's opera "Don Giovanni," which will be presented in English next Wednesday at the Center theater.



The Commissioned Officers' Mess invites everyone to try the tasty treats they have in store at the Mongolian Bar-B-Q being held next Friday, January 17, from 6:00 to 9:00 p.m. Reservations are needed by January 16. Prices are \$40 per ounce with a blue card and \$45 per ounce for guests. Call 446-2549 for more details or to make reservations.

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Come see the "Joanie Waco Country Show" tonight starting at 8:30 at the Chief Petty Officers' Club. The show will last approximately an hour, after which the group will provide music for dancing pleasure. The CPO Club requests reservations for dinner, but the show will be provided on a 1st come, 1st served basis.

The CPO's Mongolian Barbecue will include a feast of assorted meats and vegetables for \$40 per ounce on Thursday, January 16, starting at 5:30 p.m.

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Disco in January at the Enlisted Mess Club. Members and guests are invited to join D. J. Steve Malan and his show "Upstage" from 8 to 11:30 p.m. tonight, every Wednesday, and Friday, January 24.

Tonight's dinner special is lobster. Reservations are not required.

Makeup specialist speaks at meeting of WACOM Tues.

For those who have self-improvement as a 1986 goal, the Women's Auxiliary of the Commissioned Officers' Mess has a special treat at its luncheon next Tuesday at the COM.

Jodi DiCamillo, a Cinema Secretary from Burbank and licensed cosmetologist, will be the guest speaker. She will give both advice and demonstration on theatrical and corrective make-up.

A social hour begins the meeting at 11 a.m., followed by lunch of manicotti crepes, green salad, herb bread and a lemon dessert. Reservations are required of WACOM members for the luncheon and program and may be made by telephoning either 446-4324 or 446-3383.

Movies

FRIDAY, MONDAY	JANUARY 10, 13
"RUSTLER'S RHAPSODY"	
Starring Tom Berenger, Mariu Henner, and Andy Griffith (Western/Comedy, rated PG, 89 min.)	
SATURDAY, SUNDAY	JANUARY 11, 12
"HEAVENLY KID"	
Starring Lewis Smith and Richard Mulligan (Comedy, rated PG-13, 91 min.)	
WEDNESDAY	JANUARY 15
NO MOVIE	
FRIDAY	JANUARY 17
"MY SCIENCE PROJECT"	
Starring John Stockwell and Fisher Stevens (Sci-Fi, rated PG, 87 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	
* U.S. Government Printing Office: 1986 - No. 20037	

FROM: _____ PLACE STAMP HERE

TO: _____

CPO Military Ball set

The annual CPO Military Ball will be held on Saturday, February 22. Please call the club office at NWC ext. 3633 for reservations and ticket information.

NEW News

Navy Exchange customers can start the year saving money if they buy frames before Jan. 14 and 18. The NEX Optical Shop is holding a pre-inventory clearance sale, with 40 percent off on all frames currently in stock.

Red Cross prepares for disasters

If the Indian Wells Valley Branch of the American Red Cross has its way, the local community will be prepared for any type of disaster.

The group has just been given a 1981 Bronco for use in the Indian Wells Valley primarily for disaster operations, and is planning a series of training classes for disaster services Wednesday through Friday, Jan. 22 through 24.

The four-wheel-drive Bronco was obtained from Kern County through the assistance of Supervisor Roy Ashburn, who represents this district. The Civil Air Patrol has donated and installed a radio in the vehicle that will be able to be tuned to all emergency frequencies for disaster operations.

Mrs. Barbara Logan from Kern Chapter headquarters in Bakersfield will teach disaster operations to various groups during the daytime on the three days that she is scheduled to be on this side of the Sierra, but volunteers are being sought for the evening classes that will be offered to anyone interested in becoming part of a Disaster Action Team.

"Introduction to Disaster Services" will be taught from 5:30 to 7:30 p.m. on Jan. 22, to be followed by "How to Conduct a Disaster Damage Assessment" from 7:30 to 10:30 p.m.

"Shelter Management" and "Disaster Feeding Operation" will be taught Thurs-

day and Friday from 6 to 9:30 p.m. Classes will be held at the NWC Safety Office, corner of Nimitz and Hussey. Anyone, civilian or military, interested in receiving any of this training is asked to telephone Mrs. Diane Grattaroti during ARC office hours, Mondays through Fridays afternoons, at NWC ext. 3208. She is also in the office, located at 1811 Lauritsen (across from Schoeffel Field) each weekday afternoon.

Mrs. Grattaroti will also be seen on Channel 3, the local television station, on Thursday evening, Jan. 16th, at 7 p.m., when she will show a Red Cross training film and will answer any telephone questions.

Center for Health Promotion to sponsor Health, Risk Evaluation program here

Health-conscious local residents will again have the opportunity to take advantage of the annual Health and Risk Evaluation program conducted by the Loma Linda Center for Health Promotion. The program will be held on Sunday, Jan. 26, at the Ridgecrest Seventh-Day Adventist Church, 555 Las Flores in Ridgecrest.

The program features a resting electrocardiogram, a treadmill test, measurement of blood pressure, and lifestyle counseling.

A blood chemistry analysis gives 24 different blood components including cholesterol, glucose, triglycerides, HDL cholesterol, and a coronary heart disease

risk ratio. Those taking the blood test will have a follow-up meeting a week later at which the blood test results will be explained. A lung function examination is included in the testing.

Preregistration is required. Those interested in further information about the program, about fees charged, and to register should telephone a toll-free number: (800) 824-4949.



Weather Report

	Max	Min	Peak Gust	Precip
Fri.	65	33	8 knots	—
Sat.	50	43	8 knots	0.06 in.
Sun.	63	47	10 knots	0.15 in.
Mon.	69	34	18 knots	—
Tues.	64	32	21 knots	—
Wed.	65	24	6 knots	—
Thurs.	67	25	9 knots	—

All measurements are made at Armitage Airfield.



Outstanding materials analysis work at NWC

Thanks to the SEM and SAM, NWC's Materials Engineering Branch of the Engineering Department has some of the best materials analysis capabilities available in the west.

Since the SAM (Scanning Auger Microprobe) joined the SEM (Scanning Electron Microscope) in December of 1983, the branch has had an increased ability to conduct failure analysis, elemental analysis and foreign material exploitation.

Personnel in the Materials Characterization Section use a variety of techniques and instrumentation to accomplish tasks ranging from examining and mapping laser welds to determining tensile strength of ordnance casings.

Henry Blazek, section head, notes they are responsible for utilizing a variety of analysis techniques, which provide the Center with a comprehensive capability for material characterization.

Analysis starts with the roughest inspection and becomes increasingly refined as additional tests are performed.

Bob Woolever, Scanning Electron Microscope (SEM) operator, talked about inspecting laser welds on various metals. After an initial optical inspection, mechanical properties, such as (fracture) strength, would be determined.

The SEM with Energy-Dispersive X-Ray Analysis (EDX) capability would be used

to examine the weld area for any gross contamination. The EDX feature would map elements as they appeared in the weld area, disclosing any contamination.

Using the high magnification and resolution offered by the SEM, Woolever could examine texture and microstructure of the weld. This could be done with a resolution that's impossible to obtain with an optical microscope.

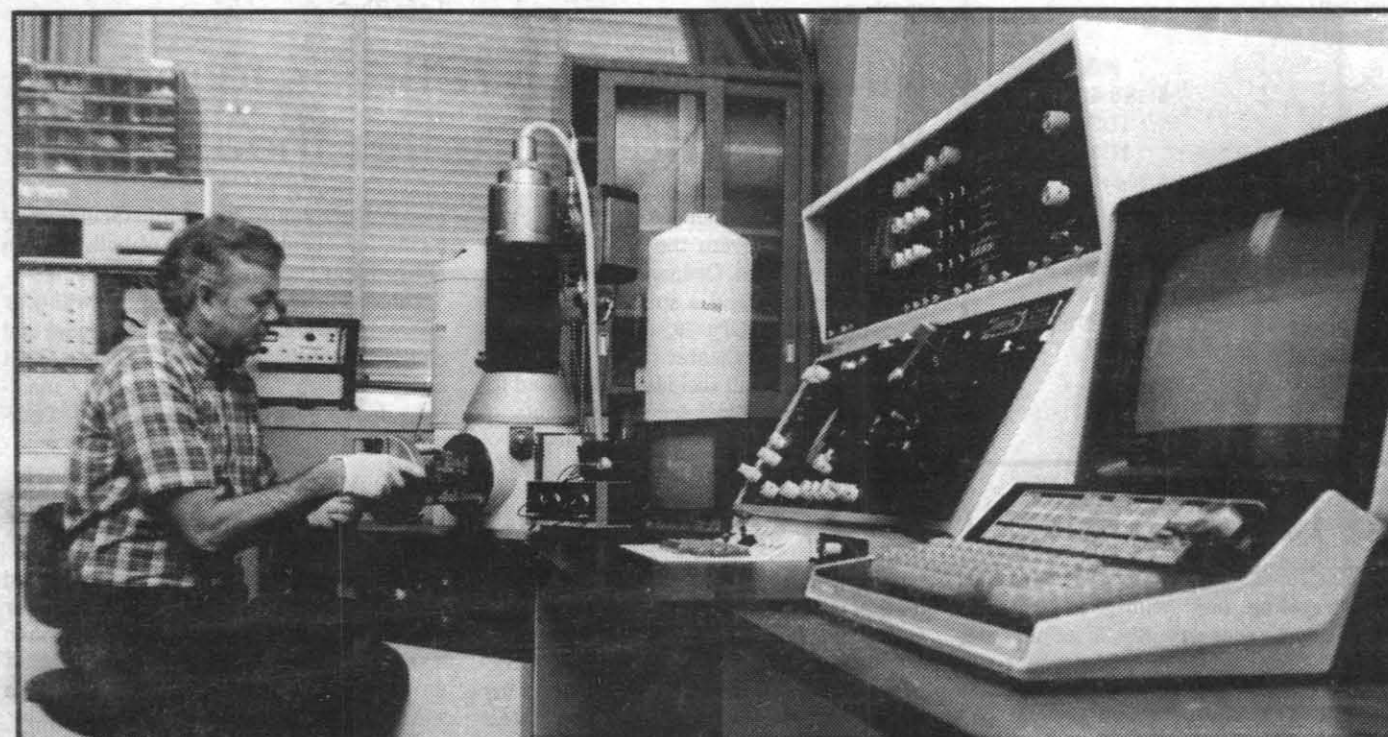
Blazek noted such an examination can determine features of grain patterns associated with particular metal alloys.

Cracks which are not readily visible in the microstructure using optical viewing devices easily become apparent when viewed at 20,000X with the SEM.

EDX microanalysis can also be used to map the boundary of the weld site. Since each element's x-rays are at distinctive energy levels, the EDX mapping can identify transition zones between two welded metals.

The newest tool used in analysis is the Scanning Auger Microprobe (SAM). Bob Dalbey, SAM operator, describes it as having the capability to use an extremely small electron beam of about 500 angstrom diameter to excite atoms at the surface of samples under investigation. Electrons are ejected, collected and analyzed to determine which element they came from.

(Continued on Page 7)



VARIED CAPABILITY — Bob Woolever of the Materials Characterization Section utilizes the Scanning Electron Microscope with Energy-Dispersive X-Ray

Analysis capability for materials analysis in the NWC Engineering Department's Materials Engineering Branch. — Photo by PHAA Bob Reynolds

Pride cleanup set for Saturday

School children, Seabees, Sea Cadets, teachers and volunteers from all walks of life will take part in Saturday's Sixth Annual Project Community Pride Cleanup Day.

An estimated 650 to 700 persons are expected to take part this year. For the first time, at least seven schools from the Sierra Sands School District will provide volunteers to undertake cleanups of school grounds and some surrounding areas.

Volunteers will assemble at NWC's Schoeffel Field between 8:30 and 9 a.m. to register. Group representatives will sign up for all persons within the group and receive "Worker Bee" badges along with work area assignments.

Bus transportation will be provided to and from assigned areas by NWC and the Ridgecrest Area Transit System. Volunteers will be returned to Schoeffel Field at around noon for a free lunch of hot dogs, chips, coffee and soft drinks.

J.E. Wandell's work brings him Renne Award

James E. Wandell, a pipefitter in the Process Support Branch of the Ordnance Systems Department, was the surprised recipient of the prestigious Clarence J. Renne Award at a Code 32 all-hands ceremony Monday.

The Renne Award was established in 1980 to pay tribute to Renne's leadership, vision and persistent efforts to assure that the operating plant of the Ordnance Systems Department was always ready and safe for use, and to show appreciation to those whose outstanding achievements in plant improvement, upkeep or operations carry out these standards of excellence.

In making the presentation, Paul Cordle, Associate Department Head for Code 32, noted that "we believe the processing plant is the backbone of our operations. For more than 19 years, Jim Wandell has provided a unique expertise in heating, cooling, pressure, temperature control for all systems. He has used his expertise to keep systems in the 40-year-old plant not only operating but improving in support of R&D programs."

Cordle read Wandell's nomination letter written by Harlan Hersley, Pipe Shop Foreman, which stated that Wandell has been a key participant in the rehabilitation of major process buildings and systems in the physical plant.

The letter commended Wandell's eagerness to share his knowledge with others, and his dedication to the Ordnance Systems Department and its plant.



HARD AT WORK — James E. Wandell won this year's Renne Award for his dedication in keeping Code 32's plant running.

"His 'can do' attitude is catching and gets transmitted to everyone who works with him. He is a real morale booster," the letter continues, adding that "His 'can do' reputation is spreading beyond the bounds of the department. Jim recently got a helicopter back in service after other resources failed. He fabricated a replacement hydraulic line for a rotary blade in a grounded helicopter."

After being presented a copy of the citation for the award, a copy of the nominating letter, and the plaque denoting the Renne Award, Wandell expressed his feelings.

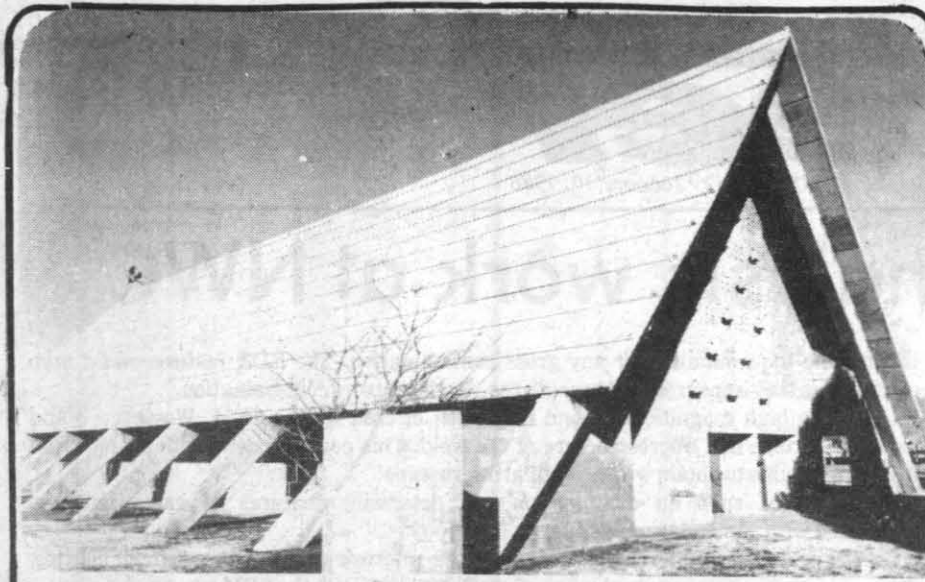
"It's hard to talk with a lump in your throat," he said. "The area here has become a second home to me. I appreciate very much this honor."

Before the award was presented, Mel McCubbin, head of the Process Systems Division, reported on accomplishments in updating the physical plant. He noted that of the 100 actions proposed in a five-year plan by Renne in 1980, between 80 and 85 percent have been completed, and a new plan has been developed.

During the past year, the Autogun Test Facility has been completed, and so has an ordnance operations center in Salt Wells. The 50-gallon mixer installation is also now complete.

The laboratory of Building 63 in the thermal area has been rehabilitated as have Bays 1 and 4 at Skytop. Repairs and

(Continued on Page 4)



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	

National Prayer Breakfast to be held on February 6

Everyone in the Indian Wells Valley is invited to join with the Center's military and civilian personnel and their families in attending the National Prayer Breakfast on Thursday, Feb. 6. The breakfast will be held at the Enlisted Mess from 6 to 7:15 a.m.

Guest speaker for the morning will be Capt. K. A. Dickerson, Center Commander. The theme of the morning is summoned up in the quotation "... Founded on the idea that persons in positions of responsibility can meet together in prayer to rededicate themselves to the moral and spiritual values upon which our Nation is founded. ..."

Joining in the program will be Ridgecrest Mayor Anne Marie Bergens, reading scripture; Rose Varga, reading a scripture selection; Ridgecrest Chief of Police Larry Brunson, giving the invocation; and Dr. Raymond McCue, president of Cerro Coso Community College, introducing the speaker.

Capt. Marty Phillips, Commanding Officer of VX-5, will lead group prayer, and Cdr. Jack Paschall will provide the benediction.

The Sailors of the Quarter from NWC and an honor guard will lead the Pledge of Allegiance to the flag.

Musical portions of the program will be presented by Aviance, a small group of the Sweet Adelines. Under the leadership of Jan Arisma, they will sing "The Battle Hymn of the Republic," "America the Beautiful," and "I'll Never Walk This Way Again."

Cost of the delicious breakfast planned by the Enlisted Mess is \$3.25 per person. Tickets can be purchased from the NWC Chaplain's Office, from ABCM Larry Dusen in Room 3207 of Hangar 3; and at the barber-shop in Bennington Plaza.

In Ridgecrest they can be purchased at Dan's Auto Parts, 125 Balsam and at the Maranatha Bible Bookstore, 112 S. China Lake Blvd.

Military, civilian retirees to meet for briefings at Center theater

All the more than 800 military and civilian retirees from the Naval Weapons Center and Naval Ordnance Test Station are invited to attend a special seminar on Wednesday, January 29, from 10 to 11:30 a.m. at the Center theater.

The program will include unclassified information on recent accomplishments of the Center as well as a general overview of

information about the status of both civilian and military retirement will be presented.

Those retired from Civil Service will hear about personnel, legal and recreational and club items. Retired military will hear about administration, personnel support, medical, dental, Navy Exchange and Commissary, and other topics of interest.

China Lake feels like home to Barbara VonNordheim

While Barbara VonNordheim worked at Teledyne Ryan Aeronautical in San Diego, one of her functions as Program Office Secretary was to prepare travel orders for personnel who came to China Lake on travel, and she heard most of them complain about how far away and desolate this area was. Consequently, when her husband, Les, accepted a job at China Lake in 1979, her first reaction, she says, was "Oh, my!"

When they drove into the Indian Wells Valley itself, however, she says that she felt at home immediately because they were welcomed so warmly. "The people are what have made this town so successful," she says.

"I'd been at home for four years raising our daughter Debbie — who's now 10½ going on 21 — and I enjoyed working as a secretary so much that I wanted to return to work, so I applied here 5½ years ago and I'm very happy that I did," Mrs. vonNordheim says. "There seemed to be so much charisma and teamwork associated with NWC that I wanted to be part of it."

She had indeed become very much a part of the Center's work scene in her role as Support Directorate secretary, where she is secretary for two busy managers, Capt. Paul Stephenson, Chief Staff Officer, and his deputy, Jim Bowen. She describes her position as a general office manager, and she is responsible for training the staff

secretaries, encouraging their development and providing any counseling that she might deem necessary. She is an advocate of professional development for secretaries on the Center.

"Being a secretary," she says, "gives you the opportunity to set the tone of the office. If you can be professional, warm, and helpful, the place runs much more smoothly."

Her work on board has been so outstanding that she was nominated by NWC as Outstanding Clerical Employee in last year's Federal Executive Board Award competition for all Southern California.

After attending San Diego State University and Mesa College in her native San Diego, Mrs. VonNordheim worked as a medical secretary. "I moved to Ryan Aeronautical because there was more growth opportunity there," she notes. Thus began her career in the aeronautical industry. This is where she met her husband, Les.

Among their mutual interests is a love of travel — "to anywhere" — especially when they can travel in one of their antique cars on Horseless Carriage National Tours and wear vintage costumes.

The three of them completely restored a 1910 two-cylinder Reo ("Even Debbie helped by sanding wheels," she says), which is the car that they use when they at-

tend gatherings of the Horseless Carriage Club of America and the LaJolla Regional Group. They are currently working on a 1909 one-cylinder Reo, and a 1932 three-window coupe Ford. "That one will be my car," she says with delight. Their latest acquisition is a 1910 Staver Chicago, the only one known in existence.

Other travel they've enjoyed is desert camping, for which they don't use their classic vehicles, and last summer they made a trip to Germany and Italy.

"Seeing all the security guards with guns in the airports and all the heavily armed police," Mrs. VonNordheim notes, "made me really appreciate how much freedom

and security we have here in the United States." She also says that they prefer American roads. "Driving the Autobahn was scary because we were going 95 miles an hour and cars were passing us like we were standing still."

As a couple they are both active with the Parent/Teacher's Group at Debbie's school, St. Ann's, so she says that the only solitary hobby she has time for is reading.

"Considering how busy this office is," Mrs. VonNordheim concludes, "reading in the evening is very relaxing. But I enjoy being busy and seeing everyone who comes in here because I'm very people-oriented. That's vital for any secretary."



HAPPY WITH JOB — Barbara VonNordheim believes that the secretary sets the tone of an office. — Photo by PH2 Rick Moore

SEM and SAM provide outstanding capability

(Continued from Page 1)

Dalbey also noted the SAM technology allows him to "step the electron beam over the surface of samples to map elements found." This two-dimensional elemental concentration analysis can be photographed on Polaroid film for a permanent record.

Maps generated by the SAM in this manner can be compared to SEM images from the same sample.

In addition, an ion gun gives the SAM the ability to remove very small amounts of material from the surface and provides a three-dimensional materials analysis capability.

The impact of this technique is best demonstrated on multilayer optical coatings. Generally optical filters are produced by alternating layers of materials which have different indices of refraction. The depth profiling capability of the SAM can be utilized to identify the materials and their physical thicknesses. With this data it is then possible to calculate the optical characteristics of the coating. The SAM analysis can detect variations in layer thickness which produce shifts in the transmission band. The ability to analyze composition changes provides a capability for detecting interface layers which may increase absorption within the coatings which reduces their tolerance for high energy transmission.

Chuck Johnson of the branch's Materials Section, noted Center users of this analysis capability normally bring samples to metallurgists in his section for initial evaluation followed by a battery of tests based on that initial review.

In addition to failure analysis, branch personnel are sometimes tasked to assist the Center's Research Department in material analysis and high resolution microstructure definition. Such efforts support work in developing optical coatings for high energy laser applications and characterization of new semi-conductor materials for electronic applications such as gallium indium arsenide.

Still, failure analysis is the most frequent reason for calling the Materials Characterization staff for assistance.

Elemental chemical analysis, using spectrographic techniques, is done by Rudy Muro when the non-destructive tests have gone as far as they can. In addition, Larry Sawyer will conduct tensile strength and (yield) strength tests of metals as part of the investigation.

With a magnification capability of up to 200,000X, the SEM has proven to be a useful tool in delineating the microscopic features of samples. Woolever notes, however, most work is done in the 1,000X to 10,000X range of magnification. This is the range in which most details are identified which characterize a given failure mode, microcracks from overstressing a part, grain boundary segregation due to improper heat treatment, and inadequate thickness of coatings.

Scanning Electron Microscopes have made contributions to several phases of propellant research. Photomicrographs obtained with the SEM have enabled researchers to infer mechanisms of oxidizer decomposition and deflagration and interactions of oxidizer, binder and metal particles during combustion.

In many cases researchers in combustion science have used SEM data to make a choice between several competing hypotheses or to develop the proposition of a completely new hypothesis in solid propellant combustion.

The branch, in addition to analysis experts, includes materials engineers and metallurgists who work with the characterization section personnel.

They have been called to identify the type of metal found lodged in fuel cells of aircraft, to evaluate laser damage to optical coatings, to do analysis of coatings on retainer rings placed in very corrosive environments, to examine parachute harness buckles and much more.

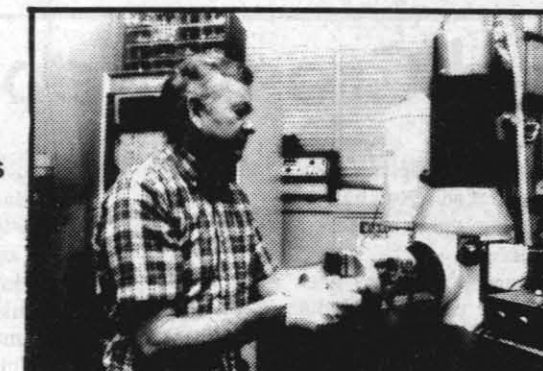
The work, according to Dalbey, can be done on-Center for less than half of what such analysis capability would cost off-Center. Dalbey called the capability the best available in the west. The branch staffing includes two physicists, two chemists, four metallurgists, two materials engineers and three multi-disciplined technicians.

Personnel are available for consultation and interpretation of the data gathered during the analysis procedures.



SAM PHOTO — Bob Dalbey, SAM operator, uses an instant camera to give a quick look at results generated from materials analysis.

Photos by PHAA Bob Reynolds



CLOSE LOOK — Bob Woolever places a sample into the Scanning Electron Microscope for magnified inspection.



RESULTS WANTED — Electron beam mapping by NWC's SAM can be compared with data obtained from the section's Scanning Electron Microscope as part of materials analysis capability.

NWC Rocketeer

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Winter fishing improving around Lake Isabella

by MIKE VRADENBURG

Winter storms are slowly filling Lake Isabella, and will continue to until the dam is opened in the spring. Mornings are cold and few anglers are out, but the ones enduring the weather are finding a very active day.

Over the past few years silver and king salmon have been stocked in Lake Isabella. This year the salmon have reached the 3-to 5-pound range, and are being caught in numbers.

Their main diet is the threadfin shad in the lake, and anglers are productive casting chrome Kastmasters off shore in

the early morning. Anglers fishing with salmon eggs and nightcrawlers are also doing well.

Anglers trolling in boats are doing well with surface lures and leadcore line.

Needlefish, Krocodile, Mepps, and Rapala lures are what most anglers are trolling with.

Anglers using bait find the salmon bite like trout, and need to have the hook set.

Once hooked they give an excellent fight as they pull back and swim from side to side.

Salmon fishing is excellent now, and most local anglers are out daily. The best places to fish are below Pioneer Campground to the Main Dam, along both sides of the Auxiliary Dam to Kissack Cove, Camp Nine, and Stine Point.

Bass fishing is still slow, but a few are starting to be caught off Rocky Point. And, anglers are catching a few crappie deep where the north and south channels come together.



Sports

Ski rentals now available from NWC Sports Branch

Ski season is now in full swing. Mammoth and June Mountains are attracting thousands of skiers daily.

China Lakers who want to enjoy this active winter sport can easily rent all they need for taking to the slopes from Recreational Services Sports Branch.

Skis, boots and poles along with car-top ski racks are available for rent through the Camping Issue Section of the NWC Gym. Reasonable fees for ski outfits are available by the day, weekend or for a full week. Both downhill and cross-country skis are on hand at the gym.

Appointments are needed for ski fittings and can be made Monday through Friday from 8 a.m. to 4:30 p.m. by calling NWC ext. 2334.

Rental fees are \$5 for a day, \$10 for a weekend and \$25 for a week for active duty military personnel. Eligible civilians can rent gear for \$7 a day, \$14 for a weekend and \$35 for a week. There is a \$20 deposit on rental skis.

Car-top ski racks are rented for \$1.50 a day or \$7.50 a week.

More information on ski rental and other equipment available from Camping Issue can be obtained by calling NWC ext. 2334.

Gun Club sets classes

Sierra Desert Gun Club will offer a beginners school of basic rifle marksmanship for Indian Wells Valley residents 12 years of age and older starting Jan. 19. There will be 12 Sunday sessions meeting 1 to 4:30 p.m. weekly.

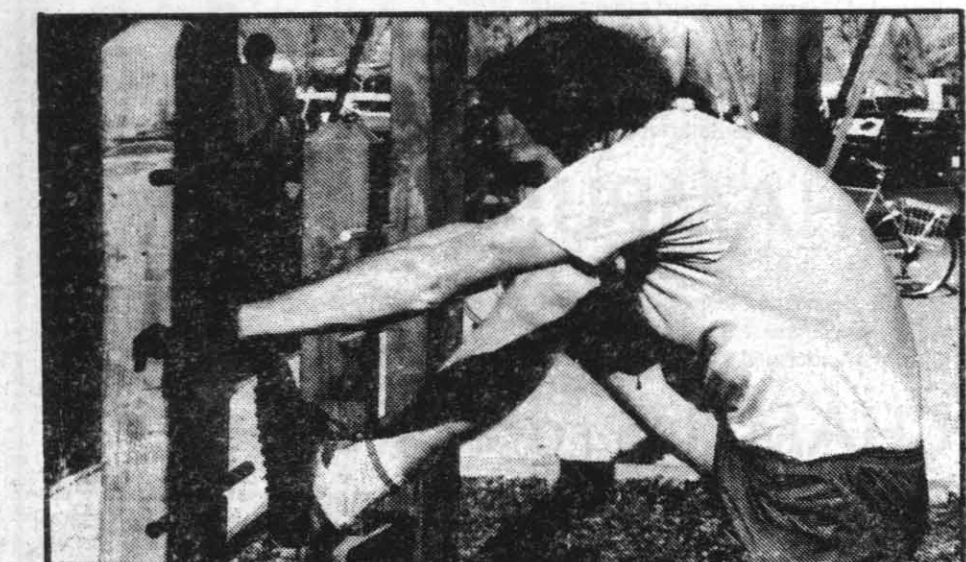
Students will spend about half of each session in a classroom while the other half will be on the range. Each student will fire about 400 rounds during the course.

The class is limited to 50 students with those from 12 to 17 years old getting top priority. There is a \$30 per student fee. Ri-

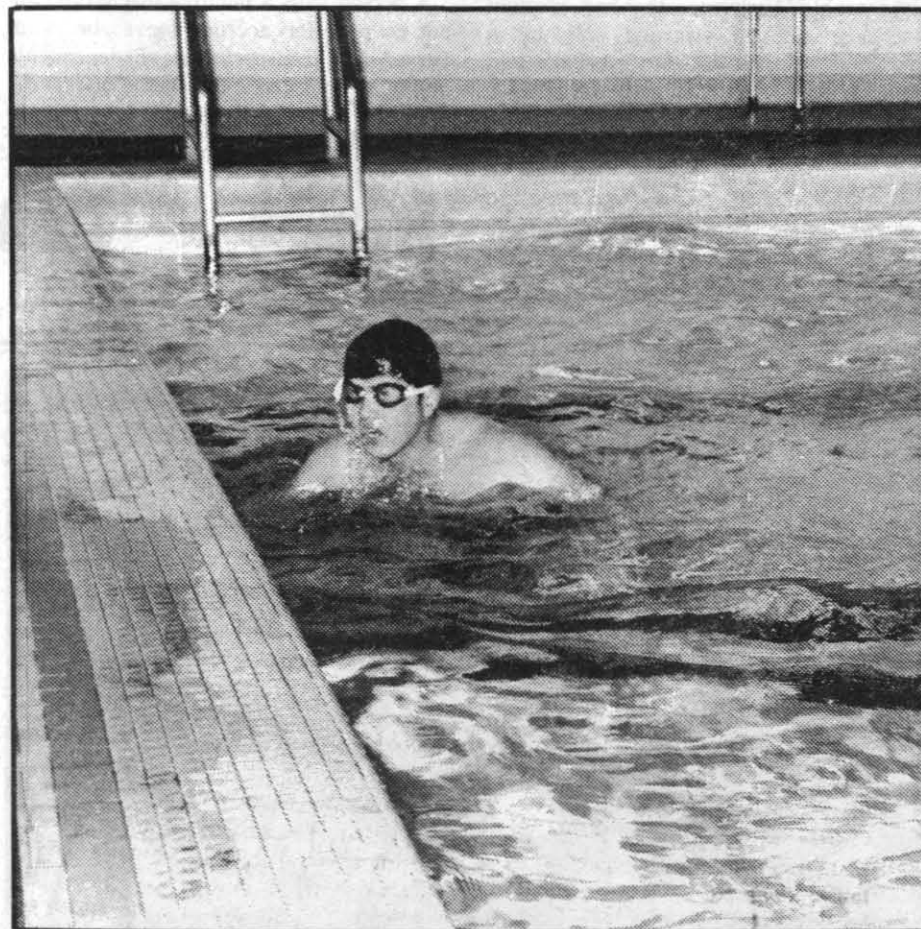
les, ammunition, targets and other needed materials will be provided by the Sierra Desert Gun Club.

Advance registration of students is set to start on Tuesday, Jan 14 in the lobby of the Ridgecrest Police Station from 7 to 9 p.m. It will also be open the same time on Wednesday night and from 10 a.m. to 2 p.m. on Saturday, Jan. 19.

For additional information about the marksmanship course call 375-3989 or 375-9170.



STRETCHING — Preparing for his daily six-mile run, Bill Wilson stretches his muscles to loosen up a little.



WORKING OUT — Bill Chan spends part of his lunch hour at the NWC Gym pool swimming to stay in shape. — Photo by PHAA Bob Reynolds

Jones' Mobile has edge

Jones Mobil retained leadership in the Premier Bowling League during the first week of 1986 with a 186-94 record.

Buggy Bath was second with a 158-122 mark while the Hideaway grabbed the third slot with their 143-137 record.

Hot individual bowlers were paced by Jack Brown's 247 game. Pat Nalley rolled a 245 game while Ernie Lanterman had a 230. Gary Barnes came in a 226 while Aaron Kane wound up with a 224 high game for the night.

Team action found Thrifty Wash kglers rolling a 2,259 series and leading all comers with a 794 team game.

Standings	W	L
Jones Mobile	186	94
Buggy Bath	158	122
Hideaway	143	137
Elks Lodge	143	137
Farris'	131	149
Thrifty Wash	129½	150½
The Place	128½	151½
Hooper's Troop	102	178

Wrestlers delayed

Because of a schedule conflict, the professional wrestling exhibition planned for the NWC Gym on Sunday, Jan. 12, has been postponed until sometime next month.

Craig Ulrich, Sports Branch head, said the championship wrestling show will be

rescheduled when Southwest Wrestling Promotions can put on a full show.

The show is expected to include midgets, women and tag teams along with regular men's championship wrestling matches.

DFG provides projects for volunteer workers

It will likely not be a whole lot of fun in the traditional sense of the word, but those who choose to join state Department of Fish and Game personnel the weekends of Jan. 11-12 and Feb. 1-2 will return home with a sense of pride, accomplishment and a well-earned matched set of calluses on the hands.

Vern Bleich, DFG coordinator of habitat improvement in Southern California, says approximately 40 volunteers will be needed to help with each wildlife enhancement project.

This weekend's outing is a big game guzzler (man-made wildlife drinker)

maintenance operation scheduled to take place in the Coxcomb Mountains located just north of the town of Desert Center in Riverside County.

Deer, bighorn sheep and other wild animals need water to sustain themselves during the long, hot desert summers, and these projects will provide an ample supply of the precious commodity when the need is greatest.

Coxcomb maintenance work will entail repair and repositioning of 200 feet of pipe that extends from a water source to the big game drinker water storage tank.

In February, volunteers and DFG per-

sonnel will meet in the Woods Mountains near the town of Kelso, San Bernardino County.

Bleich said the Woods job involves development of a natural spring to make it appropriate for use by wildlife as a year around water source, and the construction of a special fence designed to keep burros away from the area.

The burro, an exotic animal not native to the state, will often foul water sources making them unavailable to other wildlife.

A total of six desert wildlife enhancement projects are planned for 1986, plus a March outing in the Goodale area to enjoy obser-

vation of eastern Sierra wildlife with DFG biologists and other area experts as guides, and just enjoying the scenery and camp life, relaxing for hunters and conservationists alike.

All projects are supervised by the department and the Society for the Conservation of Bighorn Sheep. Tools, equipment, materials and transportation from camp to construction site are provided.

Information and maps for each event may be obtained from DFG's Long Beach Office, 245 West Broadway, CA 90802, or telephone the department wildlife management office, (213) 590-5158.



The Skipper Sez...

QUESTION

Civilian employee — I am a PW employee. Why is it when new trucks come in they are kept by Management in PW? Some of these trucks we drive are over 20 years old. I thought new trucks were to replace old ones. Some of us have to ride three people per truck, and upper management has one per person in Code 264. We are here to get the job done, but it makes it hard without transportation. It appears that new trucks are used as status symbols instead of supporting the mission of NWC. I thought trucks were assigned by mileage, age, and a replacement. Thank you.

ANSWER

It appears that your question is two-fold. First, how are vehicles assigned centerwide? Second, the specific situation in Public Works. On a Centerwide basis, vehicles are assigned to departments who annually justify the need for each vehicle. Transportation evaluates their needs and balances them with the amount of equipment on board. Once assigned, each department is responsible for assigning their vehicles where they will do the most good within the department. Centerwide, vehicles are replaced within the limits of funding for a fiscal year, using condition and/or age as determinants. Each year the fleet is evaluated to find which types of vehicles to be replaced. Currently, there are many vehicles that are over 20 years old, which is due to the limitations of funding over the years.

In the case of Code 264, 13 new small pickup trucks have been assigned. Of these, 11 are assigned to supervisors and two to shops. It is to be noted that 11 older trucks were turned in when the thirteen new ones were assigned, so there was a net gain of two trucks. The decision to assign the majority of the small trucks to supervisors was done because only two full-sized persons can normally fit in the cab, loads are limited, and supervisors put higher mileage on their vehicles than do tradesmen going to jobs. Four new full-sized pickup trucks have been received in 264, and all have been assigned to shops.

QUESTION

Civilian employee — My question has to do with the airfield, usually the parking lot in front of P302. There have been tumble weeds that have been there since the beginning of summer, and the bridge that we have to cross to the parking lot to get to P302, you have to pass by big tumble weeds that have been there for months. Another problem that we have out here is that we have been walking over a board bridge months and months to get into P302. Sometimes this can be a dangerous situation, especially if it gets cold and icy. I guess I'm questioning the cutting down of beautiful oleanders where you drive onto the base, and the neglect, or state of, the airfield that really does not need to be done. Thank you.

ANSWER

The area you speak about is not under routine ground care. All the work done there must be initiated by the user Code to Public Works for accomplishment. As of this writing, this was not done. The board bridge is temporary due to construction and the Contractor planned to be completed with this work by the end of December. The board was placed there solely for the convenience of the custodians to empty the trash, since other employees can use the side entrances to P302. The oleanders you mentioned were trimmed for the safety of the traffic leaving the side roads and the bicycles using the bike path.

QUESTION

Civilian employee — I am wondering why the Demo payout didn't show up on the first pay period of October. Thank you.

ANSWER

Demo Project regulations approved by the Office of Personnel Management (OPM) establish payouts to be effective annually at the beginning of the first pay period on or after 1 October. That is, the payout cannot be effective before the beginning of the first FULL pay period in October. This year the effective date was October 13, with normal payroll procedures of check issuance one week after completion of the two-week pay period, (i.e., this year November 1). So actually the Demo payout was effective during the first pay period of October. Thanks for asking.

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. 2227 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.

DNL receives Presidential Rank Award

Gary W. Morton, Director of Navy Laboratories within the Office of the Chief of Naval Research, has been awarded the Meritorious Executive Presidential Rank Award for 1985. The award of \$10,000 was accompanied by a certificate signed by President Ronald Reagan.

The Presidential Rank Award annually recognizes prolonged, high-quality accomplishment of career members of the Senior Executive Service. No more than 6 percent of Senior Executives can receive the award each year.

Morton was cited for accomplishments in leadership and management. His achievements include:

Initiating an intensive assessment of

technology requirements to support the Navy's equipment needs through the early 21st century.

Directing improved procedures for managing the laboratories in such areas as fraud, waste, and abuse.

Assuming chairmanship of the Joint Directors of Laboratories of the Army, Navy, and Air Force to ensure coordination among the services in certain scientific projects such as the establishment of the Software Engineering Institute to accelerate transfer of software technology into computer systems used in naval warfare.

Promoting a variety of programs to improve the caliber and quality of life of laboratory employees.



PROUDLY DISPLAYED — Lois Herrington hangs a plaque on her office wall that denotes having received the outstanding achievement award for 1985 from the Southern California Small Business Council.

Lois Herrington honored by Small Business Council

Lois Herrington, who heads the Center's Small Business Program Office, received unusual recognition from her peers in the Southern California Small Business Council. They selected her to receive the outstanding achievement award for 1985.

The Council is made up of about 140 small business specialists from both federal and civilian agencies (such as contractors). It meets quarterly at the various establishments throughout Southern California to assure that small business firms and concerns in labor areas share equitably in federal prime contracts and subcontracts.

The Naval Weapons Center has belonged to the Council for about 12 years; Mrs. Herrington has represented NWC since she became the full time small business specialist at NWC in 1980.

During that time, she has taken an extremely active role in the Council by chairing various committees, and has served as treasurer for two terms. She has recently been reelected to that position.

All members are sent a ballot on which

they can nominate the Council member who they feel should receive the outstanding achievement award. In this way, Mrs. Herrington was nominated by her peers, and chosen as the outstanding member of the group for 1985.

The actual presentation of the plaque was made at an awards banquet held in December at the Casa Serena in Oxnard, Calif. chaired by Bob Hobdy from DCAS in San Diego.

Mrs. Herrington began her NWC career as a clerk-typist in the Purchase Branch of the Supply Department in 1968. She subsequently became a purchasing agent and a contract negotiator before being selected to become the Center's Small Business Utilization Specialist in 1978, and to head the Small Business Program Office in February 1981. Her work in this capacity has been so outstanding that she was nominated last year for the Distinguish Public Service Award presented by the Los Angeles Federal Executive Board.

Timecards due at 4:30 p.m. Tues.

All personnel who are responsible for the submission of timecards are reminded that because of the January 20 Martin Luther King, Jr. holiday, timecards for the regular workweek ending Jan. 18 must be turned in by 4:30 p.m. on Tuesday.

This is necessary in order to meet the normal payday of Jan. 24. No timecards are to be held out, since failure to provide the Payroll Office with an accurate timecard by the Jan. 14 deadline may result in a delay of pay for employees.

In order to meet the Jan. 14 deadline, it will be necessary for departments to project or estimate what will occur on Wednesday, Thursday, Friday and Saturday and to submit the timecard by 4:30 p.m. on Tuesday.

On Wednesday afternoon, if it is discovered that the timecard projections are in error as submitted, the errors can be corrected by submitting a corrected timecard annotated as such, between 11 a.m. and 3:30 p.m. on Jan. 15. Errors discovered after 3:30 p.m. should be corrected by sending a memorandum to the Payroll Office, Code 0853, the following week.

Any overtime worked after 4:30 p.m. Tuesday, Jan. 14, through midnight on Jan. 18 should be submitted on a supplemental timecard for payment the subsequent pay period.

Surplus property auction slated

China Lake's Defense Reutilization and Marketing Office will conduct a public auction on Thursday, Jan. 16 starting at 9 a.m. in Building 1073, Warehouse 41.

About 220 items, ranging from typewriters to steel fence posts will be on the auction block. The items will be on display for public viewing weekdays from 8 a.m. to 3 p.m.

Bidders must register the day of the sale. Unregistered bidders will not be allowed to purchase items.

Because the sale will take place inside NWC's security fence, prospective bidders must stop at the Main Gate Pass Office to obtain a pass before coming aboard.

For more information call Greg Berry at NWC ext. 2502.

A-4D Skyhawk at Switzer Circle a record-holder

This is part of a year-long series celebrating the diamond anniversary of Naval Aviation. Each issue of *The Rocketeer* this year will include an article about contributions to Naval Aviation from China Lake including historic aircraft, people and events as they relate to aviation history and milestones.

Visitors to the Naval Weapons Center's 1969 Armed Forces Day celebration were among the first to get a good, close look at the A-4D Skyhawk that graces Switzer Traffic Circle. This aircraft, once a record-setter, was placed in the circle about two weeks before NWC welcomed more than 7,000 visitors. It marked the end of a long-planned effort to put this historic aircraft on display.

This A-4 was just the third production model ever built by the then Douglas Aircraft Company and took part in evaluation tests for the aircraft that became the A-4A.

At Edwards Air Force Base, A-4D No. 137814 was prepared as the backup to an identical A-4 in the quest for a closed-course speed record.

On the morning of the planned effort to set a new record, the primary aircraft couldn't be started by the pilot, Lt. Gordon Grey.

Since No. 814 was the backup and was prepared just as well for the record attempt, Lt. Gray quickly moved to the other A-4D and sped down the runway en route to a successful assault on the speed record. His mark for a 500 kilometer closed-course flight was 695.163 mph, flying just 100 meters off the ground. It is a record still held by No. 814 for aircraft of that type.

Turned over to Navy control later on, the A-4D was placed into service as a project aircraft. The aircraft continued to be used by China Lake to support projects until it was



75 Years of Naval Aviation

retired from the active inventory. The last known pilot was Cdr. J. H. (Jake) Robcke, project officer at the Naval Air Facility. Many well known figures from Naval aviation have sat in the cockpit of the A-4D.

Hundreds of man-hours went into refurbishing this histor-

ic A-4 before it was placed on public display, complete with a simulated weapons load, in the Center's traffic circle.

Thousands of employees pass it every day, on their way to make more contributions to Naval aviation.



Renne Award...

(Continued from Page 1)

modifications on the explosives slurry kettle are also complete.

An autoclave has been installed in Building 69. The 30-gallon mixer has been received, and a 10-gallon mixer has been moved.

Plans for 1986 include rehabilitating a 300-ton press in the explosives area, and rehabilitating Building 310 to install a chemistry and glass-blowing laboratory in the 3-inch-line area. A move of environmental and electric facilities from CLPP to the Salt Wells area is also being planned.

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)

Volunteers being sought

Based on studies conducted during the 1970s, an estimated 23 million adults in this country are functionally illiterate, and the number is growing approximately 2.3 million each year. To combat this problem, the Department of Education is recruiting volunteers under the Federal Employees Literacy Training Program (FELT).

Functional literacy is the ability to comprehend, write and compute at a level that will meet life situations such as completing an application or using public transportation.

Volunteers are needed to serve as tutors (which requires some training), to serve as teacher's aides, helping with childcare, providing clerical support or providing transportation.

Those who wish to serve under the Department of Education program can

write for an application to Dr. Samuel B. Kermoian, U. S. Department of Education, 50 United Nations Plaza, Room 211, San Francisco, CA 94102.

Locally, anyone wishing to help battle illiteracy is invited to telephone the Literacy Council of the Indian Wells Valley at 446-6326, 446-2860, or 375-7891 to volunteer.

The local group uses the Laubach method to teach two separate groups of individuals: foreign-born, who are illiterate in English, and English speaking people of all ages who are functionally illiterate.

Two training classes for tutors are offered each year. The fall class is for those who wish to work on a one-to-one basis with persons whose native language is English, and a class to be held in late January is for anyone willing to work with foreign-born persons needed to read and write English.

Test pilot talks about Tigershark

Design, development, and flight test evaluation of the Northrup F-20 "Tigershark" will be the subject of a presentation by Paul Metz, Northrup's chief test pilot, at a joint dinner meeting of area sections of the American Institute of Aeronautics and Astronautics and the Society of Flight Test Engineers to be held at Le Parc Restaurant on Thursday, January 16, at 6 p.m.

The presentation will trace the history of the Tigershark from its genesis in the T-38 Talon trainer and F-5 Freedom Fighter program.

This meeting is open to the public, but, due to limited seating, reservations are required. For additional information, contact Bill Werback at 375-5204 mornings and evenings.



COMMUNITY PRIDE — For the sixth straight year, China Lake and Ridgecrest are joining forces for the Annual Community Pride Cleanup Day on Saturday. Helping make it possible are financial contributions from community organizations and businesses. Getting ready for the day are some of the donors. From left, Nollewan Leckey, Ridgecrest Chamber of Commerce; Don Padgett, Council of Organizations; Richard Smith, First Federal Savings and Steve Schneider, Community First Bank. Also making contributions were Century Title and Guaranty, Bank of America, Dei Taco, Ramsey Distributing, Federal Managers Association, McDonalds, and First American Title.



China Lake Police Reports

Five solicitors who were trying to sell magazine subscriptions and to recruit others to sell magazines in the housing area on base were issued letters of trespass and escorted from Center land.

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The only person held for celebrating the New Year with too much spirit (and spirits) was someone who nearly got hit by a car in Switzer Circle. The individual was picked up for being drunk in public and held until sober enough to be released safely. All others who felt they had too much to drink took advantage of getting a ride home in the Center's van.

+++

A juvenile began the year by being cited doubly: no driver's license and an unregistered vehicle.

+++

A military couple on Saratoga began the New Year with a fight sufficiently noisy so police were called to keep peace.

+++

A Navy truck inside a Dallas building at Randsburg Wash, backed through a wall inside the building. Since the incident did not occur on a road, it is considered an industrial accident.

+++

Police were called to quell a peace disturbance on Friday night when a husband and wife got into a verbal altercation. Police were called in the early hours of Saturday morning when the wife sought her husband at the BEQ, found he wasn't there, and again disturbed the peace.

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At 3:45 a.m. Saturday, China Lake police assisted Ridgecrest police in searching for a possible robbery suspect.

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A resident on Vieweg Circle reported a prowler to police on Sunday.

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During a flight at land site one at Randsburg Wash Monday, a suspect struck the victim with his fist.

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Two incidents of shoplifting were reported at the Navy Exchange. At the regular exchange, someone walked off with a Walkman radio, and a man made off with unknown items at the Mini Mart.

+++

Vandalism occurred at the BEQ resulting in a broken window.

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BCD could restrict future employment hopes

Even with a bad conduct discharge, you can get a license in most states to clean septic tanks, auction off cattle or tell fortunes. On the other hand, if you want to work as an accountant, barber, doctor, engineer, lawyer or teacher, that license could be a lot harder to come by. Most states have strict licensing approval requirements, and they don't usually include people with bad conduct discharges.

Of course, a lot more goes with a bad conduct discharge than simple licensing problems. Veterans benefits can be lost or jeopardized, and the label of "convicted felon" may follow for a lifetime.

Like its more serious twin, the dishonorable discharge, the bad conduct discharge can be awarded only by a court-martial (special or general) and results from convictions for such crimes as stealing, dealing in drugs, being AWOL, etc. Accordingly, these discharges are called punitive, and they are intended to inflict punishment.

Following are some facts, a few of them misunderstood or not so well known, about bad conduct discharges.

A "barracks lawyer" rumor is that bad conduct discharges are automatically

upgraded after six months. This is false! Upgrades of bad conduct discharges rarely occur. Only about 1 percent of applications to a discharge review board (where special court-martial convictions may be appealed) have resulted in upgrades. Actions of a board for the correction of military records, the method through which a general court-martial conviction may be appealed, have resulted in an even smaller percentage of upgrades.

Each service maintains a discharge review board as well as a board for correction of military records. Their experiences in rates of discharge upgrading are similar.

A person with a punitive discharge cannot be paid for accrued leave; be reimbursed for transportation of dependents and household goods to a home of record;

gain admission of the U.S. Soldier's and Airmen's Home; be buried in a national cemetery; or receive a headstone marker.

All VA benefits — such as compensation for service-connected disability or death, vocational rehabilitation, medical and dental services, civil service preference, etc. — are lost when the bad conduct discharge is issued by a general court-martial; however, people convicted by a special court-martial may or may not qualify for VA benefits, depending on a special determination made by the VA based on the facts of each case.

Veterans benefits aren't the only thing lost as a result of a bad conduct discharge. Any claim to unemployment compensation is also lost.

And many states have statutes that seriously restrict a convicted person's abil-

ity to work for a state government. Fifteen states specifically restrict or exclude from government employment any person who has a criminal record or who has been guilty of "notorious" or "disgraceful" conduct. In 21 states, employment is based on such factors as character, reputation or personality. The effect is to leave broad discretion to the individual doing the actual hiring to reject people with bad conduct discharges because they do not meet character or reputation requirements.

The federal government has a policy of considering rehabilitated offenders for employment. But each applicant is subject to a special investigation to determine suitability for the particular job sought. Factors considered are the nature of the offense and success of the rehabilitation efforts.

As one military spokesman said about bad conduct discharges, "Since the threat of a bad conduct discharge is meant to have a deterrent effect and thus prevent future crimes, people should understand what it means before getting into trouble, not after."

By Hal Haskins
American Forces Information Service



Military News



NAVY COMMENDATION MEDAL — Capt. K.A. Dickerson, NWC Commander pins the Navy Commendation Medal on Cdr. Stephen C. Nyland. Cdr. Nyland heads NWC Supply Department's Contracts Division. — Photo by PHAA Bob Reynolds

Cdr. Nyland honored by Commendation Medal

Cdr. Stephen C. Nyland recently received a Navy Commendation Medal for work he performed while serving as Deputy Director, Contracts Division, Naval Plant Representative Office (NAVPRO) at Grumman Aerospace Corp., New York.

Capt. K. A. Dickerson, NWC Commander, made the awards presentation as Cdr. Nyland's family looked on.

Cdr. Nyland, during his nearly three years with NAVPRO at Grumman Aerospace, initiated what was termed an "innovative and aggressive spares/support equipment review program that saved several hundred thousand dollars and eliminated 77 items of support equipment."

In the citation, signed by Adm. James D. Watkins, Chief of Naval Operations, Cdr. Nyland was commended for spearheading the Buy Our Spares Smart program and

leading a cost-conscious team that documented more than \$15 million in savings at NAVPRO.

The citation reads, in part, "through his exceptional leadership and management skill, he significantly upgraded the NAVPRO's contribution to negotiated contractor overheads. This resulted in a Forward Pricing Rate Agreement with overhead rates \$10 million below original government expectations. Commander Nyland's exemplary initiative and resourcefulness resulted in millions of dollars saved and a significant increase in the NAVPRO's productivity."

Cdr. Nyland served with the NAVPRO from September, 1982 until June, 1985.

Capt. Dickerson said the Navy Commendation Medal was delivered with pleasure.

Army NCO assumes new CHAMPUS position

Master Sergeant Ulysses Norris, U. S. Army, is the new Senior Enlisted Representative (SER) in the Beneficiary and Provider Relations Division at the Defense

Department's CHAMPUS headquarters located in Aurora, Colorado.

The SER will provide assistance to enlisted personnel who have experienced major problems with their health benefits. The Defense Department's Health Care Survey of 1984 indicated a significant need for more information efforts to be targeted toward enlisted personnel. Aside from using the CHAMPUS handbook and consulting the local health benefits advisors, more than 20 percent of enlisted personnel rely on their chain of command to provide information about the CHAMPUS program.

Norris will provide a stronger effort toward keeping that population informed. He will maintain contact with senior

enlisted personnel, including the service senior noncommissioned officers throughout all of the uniformed services. He will also

meet with enlisted organizations, both active duty and retired, to provide educational and informational services.

Dental Clinic has revised schedule

As of last Wednesday, the China Lake Branch Dental Clinic revised appointment hours for dependents. Dependents who wish to make an appointment for routine dental care must telephone between 9 and 10 a.m. Wednesday mornings for scheduling an appointment. This is the only time that such calls will be accepted.

The telephone number is NWC ext. 2911.

CHAMPUS rates increase

Effective Oct. 1, of last year, the daily amount active duty families pay for inpatient care in a civilian hospital under CHAMPUS increased from \$7.10 to \$7.30.

This means that for every day an active duty family member spends as a patient in a civilian hospital under CHAMPUS, he or she will pay \$7.30 — or 25 percent, whichever is greater.

This rate does not apply to military retirees and their families (or to survivors

of deceased active or retired military personnel) who pay 25 percent of the cost of covered care in a civilian hospital. CHAMPUS pays 75 percent of the allowed charges for covered hospital and doctor bills.

CHAMPUS — the Civilian Health and Medical Program of the Uniformed Services — is the Defense Department's health benefits plan for military families who receive medical care from civilian hospitals and doctors.

Military personnel enjoying some tax breaks

Service members are eligible for tax breaks. For example, members stationed outside the U.S. on April 15 are allowed an automatic two-month extension to file their returns. However, interest must be paid on any tax due from the normal due date, April 15, to the date paid. An attached statement stating the taxpayer was

overseas on the due date must be filed with the return.

When being transferred to a new assignment requires selling a home, service members will need to know its adjusted basis — the original cost increased or reduced by certain amounts. Tax on the gain from the sale of the home will be

deferred if they buy a home of equal or higher value. Military personnel may qualify for a four-year replacement period instead of two years. The replacement period is suspended while personnel are stationed outside the U.S.; or while required to live in on-base quarters after returning from overseas, when adequate off-base housing

is not available at a remote site.

Meals, lodging, the cost of moving household goods, pre-move househunting trips, cost of temporary living expenses, and the cost of selling an old residence, which were not reimbursed, can be claimed as an adjustment to income.

SAFE PROCEDURES FOR THE ASSEMBLY OF COMPONENT EXPLOSIVES

3-7 February, 0800-1600, Training Center. By: Staff of E. I. Dupont De Nemours.

Intended Audience: Management, supervision, and anyone in the workforce interested in a safe operation during assembly of devices containing explosive components.

Scope: This seminar treats the safe handling of explosives components used in the manufacture and assembly of small ordnance items and industrial devices. It is a 5-day course designed to provide knowledge of the basic tests and practices needed to meet the requirements of the DOD Contractors' Safety Manual for Ammunition, Explosives, and Related Dangerous Material. Topics include types of explosives; test methods; building construction materials: barricades, shields, and electrical installations; electrical safety standards: static, personal clothing, and lightning protection; operating parameters: hazards and standard operating procedures; storage; on-site transportation; and spills and disposal.

Deadline: 17 January.

DEFENSE CONTRACT MANAGEMENT (two classes scheduled for FY 1986, 40 hours each)

3-7 February and 12-16 May, 0800-1600, Training Center. By: Government source.

Scope: Provides nonprocurement personnel associated with any of the various aspects of contracting with an understanding of the statutory and procedural requirements that form the basis of the contracting function. Course materials focus on the interrelationships between contracting personnel and other functions during the pre-award and post-award phases of the procurement process: soliciting sources, evaluating proposals, awarding contracts, and exercising proper post-award surveillance.

Deadline: 17 January.

NETWORK DESIGN

4-6 February, 0800-1600, Training Center. By: Jeff Held, Systems Technology Forum.

Prerequisite: An introduction data communication course or equivalent work experience.

Scope: This course covers the processes and techniques required to identify the best design solution and to optimize that solution in terms of cost and performance. This course teaches dial up, multipoint, multiplex, concentrator, and public packet switched data networks. Topics include how to compare alternative network designs; how to estimate the expected performance of a data communication network; and how to optimize network configurations.

Note: You need to bring a calculator.

Deadline: 17 January.

TECHNICAL PRESENTATIONS (BETTER BRIEFINGS AND PRESENTATIONS)

4 and 5 February, 0800-1600, location to be announced. 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 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: 21 January.

ASSERTION TRAINING FOR SECRETARIES

5 February, 0800-1700, Cerro Coso City Center, Room 102. By: V. Slywka.

Scope: Focuses on the "how-to" of building cooperative, productive working relationships. Topics include identifying aggressive, passive, and assertive behavior; examining self-defeating beliefs and changing them; learning to communicate honestly, directly, and effectively; confronting conflict and seeking resolution; and accepting personal and professional responsibility. This class is specifically designed for secretaries to help them develop acceptable assertive skills in their particular areas of interaction.

Deadline: 22 January.

CONTRACTOR PERFORMANCE MEASUREMENT

10-14 February, 0800-1600, Training Center. By: Gus Zader, Defense Systems Management College, Ft. Belvoir, Va.

Objectives: The course is for people whose jobs require them to do one or more of the following:

1. Analyze major contract status and make recommendations and decisions based on these analyses.
2. Analyze less-than-major contracts and make recommendations and decisions based on these analyses.
3. Understand the cost/schedule control systems criteria and how the contractor-provided data is used.
4. Implement CPM or conduct surveillance of an approved contractor system.
5. Implement C/SSR (Cost/Schedule Status Report).

Scope: Topics include a course overview, introduction to CPM, work breakdown structure, five groups of criteria, data analysis techniques, estimated cost at completion, interim summary, baseline management and financial reporting, C/SSC implementation and surveillance, and Cost/Schedule Status Report implementation and use, and a final test.

Deadline: 24 January.

SYMPHONY

Two classes: 27-29 January and 18-20 February, 0800-1600, Training Center. By: Richard Fryer.

Intended Audience: Professionals with some spreadsheet or programming experience.

Scope: Review of Symphony 1.1 spreadsheet construction, commands, functions, formats, modifications, and reports. Topics include Symphony graphics, wordprocessing, combining sheet data with reports, in-memory data bases and the "form" window, macros and macro libraries, and hardware aspects.

Note: We recommend that for this course you have experience with LOTUS 1-2-3 or have completed the LOTUS 1-2-3 tutorial. Priority will be given applicants who have access to installed Symphony systems.

Deadline: 14 January for 27-29 January class;

4 February for 28-20 February class.

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

TECHNICAL AND REPORT WRITING

27 and 28 February, 0800-1600, location to be announced. By: Casey Reynolds.

This class has been postponed. Watch the NWC Announcements for new dates.

Cal State University of Chico — Computer Science Course changes. New course description for CSCI 397C-1, Seminar in Advanced Topics: Computing Systems Architecture, beginning 1/25/86. The course establishes the technological environment of software engineering, software systems, machine architecture and firmware interfaces. Topics include anatomy of software systems, software system structure, distributed systems architecture, and firmware interfaces and trade-offs. The goal of the course is to provide a firm foundation in basic components and fundamental issues of the different layers of systems architecture. This course is a required course for those pursuing the Master's Degree in Software Engineering. It is essentially the "new" CSCI 371.

CSCI 371, System Design Techniques, is deleted from the course schedule and substituted in its place is CSCI 376, Theory of Information Retrieval, on the same dates of April 26-27, May 31-June 1, and June 28-29.

Course dates and times for CSCI 270 Systems Design are changed to June 24-August 21, Tuesdays and Thursdays, 1500-1730.

Software Requirements, Specifications & Tests.

February 11-14, 0800-1600, Training Center. By: Integrated Computer Systems, Santa Monica, California.

Intended Audience: This course is designed for software engineers, systems analysts, programmers, and technical managers who are involved in the analysis, specification, design or management of computer applications. The course will be equally valuable for those who are active in implementing systems, and for those who are acquiring them under contract.

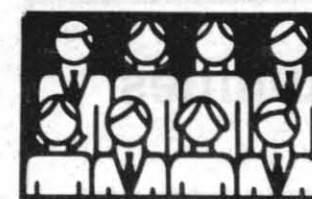
Objectives: Focusing adequate attention and resources on the initial phases of the Software Life Cycle is the key to avoiding the usual software development crisis. Better understanding of end-user requirements, complete system specification, and well-defined software test plans can prevent cost overruns, slipped schedules, and excessive maintenance.

This course provides participants with specific guidelines and practical methods for defining requirements, developing specifications and for integrating test plans early in the software development cycle.

Scope: This course will show how to use systematic techniques for analyzing and documenting end-user requirements; generate software requirements which include test criteria; develop detail specifications for software design and test; incorporate the unique constraints of real-time functions in requirements, specification, and test documents; validate software requirements and specification; and plan the sequencing of test and integration procedures.

Deadline: January 31.

Note: A go/no-go decision will be made on this course prior to 1/31. Please phone Jeannie, x2359, if interested, and then follow-up with a training request to 904 no later than 1/31/86.



Personnel News & Notes

No. 4, January 10, 1986

Naval Weapons Center, China Lake, California 93555-6001

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. 24-003, Security Assistant, DA-080-1, Code 24321 — Incumbent will provide support to the Classification Management Section of the Safety and Security Department. Duties include originating correspondence relating to contract security and classification responsible for the accuracy of all office logs and tickler files. Analyzes foreign release requests for appropriate action. Provides guidance to other center personnel on proper procedures for handling and transmitting classified material. Acts as Custody Control Point. Job Elements: 1) Knowledge of Navy, NWC classified material handling procedures. 2) Knowledge of basic laws and U.S., and Agency policy in the classification management levels of personnel. 4) Skill in written communication. 5) Skill in oral communications. Promotion potential: Security Specialist DA-080-2.

No. 26-217, Pest Control Inspector, WG-5026-6/7/8, Code 2671 — Supplemental is required. The incumbent performs inspection of maintenance and service work including, but not limited to, pest and weed control and hazardous waste collection and disposal, as performed under contract. Job Relevant Criteria: Ability to inspect; technical practices; uses of measuring instruments; ability to interpret instructions, specifications, etc. Knowledge of materials; ability to use and maintain tools and equipment; ability to work with others. Status eligibles may apply. Promotion potential to WG-8.

No. 35-004, Administrative Assistant/Officer, DA-341-1/2, Code 35061 — Incumbent provides financial and general administrative support including personnel, equipment, safety and security, facilities and procurement for the HARM Technical Management Office. Assists the Business Manager in budget preparation and financial tracking and reporting. Knowledges: of purchasing, accounting, and budgeting procedures; NAVWPNCEN financial, personnel, plant account and general administrative policies and procedures. Abilities: to prepare and implement administrative and financial procedures; to review information/data for accuracy, completeness; to communicate with and work effectively with personnel within and outside the organization. Promotion potential: DA-2.

No. 35-006, Administrative Officer, DA-341-2/3, Code 3505 — Incumbent is responsible for administrative management of the Sidearm Program including interface with sponsor activities, contract coordination and monitoring, and financial planning and

management. Knowledges: NWC/NIF financial policies and procedures and the systems acquisition process; contract management and monitoring procedures. Abilities: to communicate clearly both orally and in writing. Promotion potential: DA-3. Status eligibles may apply.

No. 36-100, Engineering Technician, DT-802-1, Code 3653 — Multiple vacancies. The incumbent ensures that drawing quality, format, and correctness are in compliance with NWC, Military, and DOD-Standards. While working in support of a senior drawing manager, the incumbent will have regular contact with program office personnel, contractors, and technical associates. Knowledge: understanding of drawing practices. Ability: to communicate effectively in writing; to communicate effectively orally; to understand and apply guidances and standards (AD Pub 264, DOD D-1000, and DOD-STD-100) for use in preparation of engineering drawings; successfully interact with a wide variety of people. Promotion potential to DT-3.

No. 36-101, Supervisory Interdisciplinary General/Electronic/Mechanical/Aerospace Engineer/Physicist, DP-801/830/897/1310-3/4, Code 3604 — The incumbent will serve as the Deputy Manager for Product Improvement, research development and testing of AIM-9 Sidewinder program efforts in product improvement, research, development, and testing of AIM-9 missile weapon systems. Incumbent will be responsible for management and control of system evaluation, analysis (performance and cost), electromagnetic vulnerability testing, telemetry, system interfaces, Integrated Logistics Support (ILS), subsystems such as guidance control section, fuze, warhead, motor, wings, and rollers; consultant for RDT&E to Air Force and Navy Commands and field activities participating in the Sidewinder Tasks. The incumbent will supervise a small group of project engineers; and assume the duties of the program manager, as assigned, in his absence. Elements: Knowledge: of state of the art short range air-to-air missile technology; of NWC, NAVAIR, Navy, DOD, and other service RDT&E programs. Ability: to organize, schedule, budget, plan, and follow through on required effort; to effectively communicate in writing; to communicate orally; willingness to travel frequently; to perform supervisory duties as required by the Demonstration Project; knowledge of and willingness to support the Federal Equal Employment Opportunity policies and goals. Promotion to the DP-4 level is not automatic.

No. 38-016, Supervisory Research Physicist/Mechanical Engineer, DP-1310R/830-3/4, Code 3894 — Applications are invited for the position of the Head of the Warhead Dynamics Branch in the Engineering Sciences Division of the Research Department. The branch conducts research on phenomena associated with the dynamic behavior of conventional warheads and their subsequent interactions with target structures. The research includes both fundamental and applied investigations in the fields of warhead behavior; blast effects in various media; impact and penetration mechanics, especially under hypervelocity conditions; the response of structures to intense loading conditions; material behavior under extremely high rates of strain; and the methodology of damage prediction. Applicants must possess experience demonstrating a strong background in the theory of shock phenomena in gases, liquids, and solids; knowledge of failure mechanisms in solids; knowledge of detonation theory; knowledge of damage assessment methodologies; knowledge of the response of structures and materials to impact and explosive loading. Ability to apply research results to the engineering

needs of the weapons community. Experience in the management of several major projects performed by teams consisting of seven to ten scientists and technicians. An M.S. or Ph.D. in Physics or Mechanical Engineering is desired. Willingness to support NWC's EEO policies and goals. Promotion potential to DP-4.

No. 39-133, Supervisory Electronics Technician, DP-856-3, Code 39141 — This position is that of head of the Simulation Operations Section of the Simulation Services Branch of the Weapons Department. The incumbent supervises, manages a group responsible for the design and development of hardware systems and components for Simlab use and for the maintenance of digital and analog computers and related equipment and peripherals used in the Simlab. KSAs: knowledge of digital and analog hardware systems and components used in simulators. Ability to supervise and provide leadership to a group of electronics technicians; ability to plan, schedule, and coordinate technical work as a part of a major project or effort/ability to communicate well, both orally and in writing; willingness to support NWC EEO policies and goals.

No. 622-043, Electronic Technician, DT-856-2/3, Code 62203 — Incumbent is responsible for the technical direction of the services contractor activities in the operation of the Frequency Monitoring fixed and remote stations for tests conducted on the Code 62 Air, Track, and Ground Ranges. The incumbent assists the Center Frequency Management Coordinator in maintaining current assignments and allocations for users of the RF Spectrum at the NAVWPNCEN and to plan and implement installation of equipments for the improvement and modernization of the frequency monitoring systems. Knowledge: Of electronics equipment and procedures used to receive, process, and record RF signals. Abilities: To work with a civilian contractor; to evaluate contractor performance; to analyze and interpret recorded signals; to plan and implement equipment layouts. Previous applicants need not reapply.

No. 64-005, Mechanical Engineering Technician, DT-3, Code 6424 — Incumbent has the responsibility for the physical packaging of telemetry systems within the volume constraints of the weapon system under test. Close coordination is required between the telemetry system designers and fabricators and the weapon systems personnel to insure a satisfactory physical interface. Incumbent also has the responsibility for documenting the physical configuration and coordinating the fabrication of the parts. Knowledges: of geometric dimensioning and tolerancing; of machine shop practices. Ability: to coordinate the work of a variety of people.

No. 08-004, Accounting Technician, GS-525-4/5, Code 08623 — This position is located in the Cost Accounting Branch of the Accounting Division. Incumbent will serve as an Accounting Technician in the Control and Maintenance of Cost Accounting records and subsidiary ledgers for the Government Orders Section. Duties include the review of incoming source documents for completeness and accuracy in lodging charges against NWC funds; preparing Interfund Bills for payment preparing APA, NSA, and Flying Hour Reports; preparing various financial reports for off-station reporting requirements; reconciling subsidiary ledger accounts; validating historical costs and transactions; and researching aged financial information to clear accounts. Incumbent has extensive contact with NWC project, budget, supply, and VX-5 personnel and provides information on various inquiries. Knowledges: of Document Entry System; of NAVCOMP regulations, in particular Volume 8 of NAS and APA supply cycles; of interfund billing

cycles. Abilities: to work accurately with figures; to meet critical reporting deadlines; to deal effectively with people. Promotion potential to GS-5.

No. 08-003, Accounting Technician, GS-525-4/5, Code 08621 — This position is located in the Cost Accounting Branch of the Accounting Division. Incumbent will serve as an Accounting Technician in the control and maintenance of Cost Accounting Records and subsidiary ledgers for the Commercial Orders Section. Duties include the review of incoming Purchase Orders and amendments for accuracy and completeness; reconciling subsidiary ledger accounts; extracting necessary information from source documents, collating data and preparing forms to enter data into an automated system; auditing computer outputs for accuracy; validating historical costs and transactions; and researching aged financial information to clear accounts. Incumbent has extensive contact with NWC project, budget, and supply personnel and provides information on various vendor inquiries. Knowledge: of integrated Disbursing and Accounting System; of Document Entry System; of NAVCOMPT regulations. Abilities: to work accurately with figures; to meet financial work deadlines; to deal effectively with people. Promotion potential to GS-5.

No. 33-001, Supervisory Interdisciplinary (General/Engineering/Mechanical Engineer/Aerospace Engineer/Physicist/Mathematician) DP-801/855/830/861/1310/1520, Code 3354 — This position is Head, Sea-Launched Weapons Fuze

Branch. Functions of the branch are: design, development, fuzes, safety-arming devices, contact fuze devices and other fuze components for sea-launched guided missiles. Provide technical support to SYSCOMS and Fleet for entire life cycle of fuzes, S-A/A-F devices, and contact fuze devices. Knowledge: of electro-mechanical systems; engineering development and production processes. Abilities: to direct, train, and provide leadership to a multidisciplinary group; to communicate clearly and effectively both orally and in writing; to interface with sponsors, contractor's, and NWC management. Promotion potential is DP-4, however, promotion is subject to review and approval of Center Management. Reassignment only at DP-4 level. Willingness to support NWC EEO goals and policies.

No. 33-056, Electronics Technician, DT-856-1/2, Code 3385 — This position is located in the Design and Fabrication Branch. The incumbent will assist and/or provide direct technical support in the fabrication, rework, and modification of electronic and mechanical components. Additional assignments will be to construct and package a wide range of allied electronic devices as well as preparing engineering drawings for documentation packages. Knowledge: of electronic components; Abilities: to read schematics and engineering drawings; to be certified as an operator under US-6536 soldering specification; to work with small hand tools; Skill: in oral and written communications. Promotion potential to DT-3, but not guaranteed.

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. 39-132, Interdisciplinary Mechanical/Aerospace Engineer/Physicist, DP-380/861/1310-3, Code 3941 — This position is located in the Sensors and Platforms Branch, Electro-Optics Division of the Weapons Department. The incumbent will be the project engineer for the Sidewinder AIM-9M PIP Seeker. The incumbent will lead a team of approximately 20 scientists and technicians. The task for the team is to design, fabricate, test and document an electro-optic seeker based on a charged coupled device (CCD) camera. The project engineer is responsible for insuring the completion of the task. To apply for this position send an up-to-date SF-171

to P. Hall Code 3941 ext. 3364.

No. 39-134, Interdisciplinary Computer Scientist/Mathematician, DP-1550/1520-2/3, Code 3923 — Validation Test Engineer for Tomahawk Operational Flight Software. The task is to define, test and analyze enhancement made to the OFS. Tests include regression, baseline, stress and performance cases at the module and system levels using both digital and hardware in the loop simulations. Knowledge of and familiarity with VAX-VMS/DCL, and Assembly Languages is desired. To apply for this position send copy of current SF-171 to Head, Code 3923, ext. 1061.

English instructor sought

NWC's Training Center is looking for an instructor to teach "English as a Second Language." The instructor will help second language learners (who in most cases are graduates of American colleges) perfect oral and written communication skills as well as "cultural competence" by focusing on cultural and language structural pro-

blem areas as well as vocabulary development.

The teaching assignment would be on a continuing basis of 3 to 6 hours weekly in early evening hours.

Anyone interested should contact Pat Baczkiewicz at NWC ext. 2686 for further information.

Calhoun picked as FLRA chairman

The Senate has approved the nomination of Jerry L. Calhoun to be chairman of the Federal Labor Relations Authority.

Calhoun, who is the first black to head a key federal personnel agency, has been active in Republic Party circles and is a strong supporter of President Reagan. He has served during the past four years in various Defense Department sub-cabinet

posts dealing with manpower and labor relations. Prior to joining the Reagan administration, he served in industrial relations posts with the Boeing Company.

He holds a B. A. degree from Seattle University and an M. A. from the University of Washington.

Calhoun said his initial effort as FLRA chairman would be to speed up case decision making.

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

No. 00-010, Secretary, GS-318-5/6, Code 01T3 — This position is located in the Industrial and Governmental Liaison Office, Office of the Technology Base Director. The incumbent provides administrative and clerical support to the head, Code 01T3. Promotion potential to GS-6.

No. 26-208, Secretary (Typing), GS-318-5, Code 264 — Incumbent provides secretarial support to the Maintenance-Utilities Division. Promotion potential to GS-6, but not guaranteed. Previous applicants need not reapply.

No. 35-005, Secretary (Typing), GS-318-4/5, Code 3513 — Incumbent provides secretarial support to the head, Systems Effectiveness Branch. Promotion potential: GS-5, however it is not guaranteed.

No. 39-130, Secretary (Typing), GS-318-4/5, Code 3917 — Provides secretarial support to the Weapons Effectiveness Branch.

No. 39-131, Secretary (Typing), GS-318-4/5, Code 3942 — Incumbent provides secretarial support to head, Air-to-Surface Guidance Branch.



Personnel Development Opportunity

CAREER OPTIONS/STRATEGIES AT NWC

Two classes: 31 January and 13 February; 0800-1600; Training Center. By: Code 09 Staff.

Scope: You will learn to realistically and systematically set personal and professional goals. You will learn how to research the federal job market and use the SF-171 and the interviewing process to meet career objectives. There will be a presentation on various career opportunities at NWC and discussions of the importance of personal style and government business etiquette. You will be given a career workbook to keep as a reference. This course is recommended for entry-level employees or those who are interested in changing career fields and have not been through the Upward Mobility Assessment Process.

Deadline: 31 January class, 15 January; 13 February class, 31 January.

OFFICE ETIQUETTE AND PROTOCOL

11 February, 0800-1130, Training Center. By: Marie Duff.

Scope: Topics include how NWC works, job effectiveness, business standards/ethics, how to build good will, and how to make it all work for you.

Deadline: 24 January.

LOCAL AREA NETWORKS: SELECTION AND IMPLEMENTATION

13 and 14 February, 0800-1600, Training Center. By: Roy Pepper, Digital Consulting Assoc.

Intended Audience: Managers, technicians and professionals at all levels who are involved in the planning and management of corporate communication systems. Previous experience with computing or data communications is not a prerequisite.

Scope: Explains the new LAN concepts and technology. You will learn how to define your requirements, set performance and management standards, choose the right system, and design an implementation plan. Topics include the real LAN requirement (what is this network going to do?); the technical characteristics desired; timing (when will it be available?); business justification (costs and benefits of LANs); alternatives to LANs; implementation of LANs; and trends and issues.

Deadline: 24 January.

Recent Additions

Code	Name	Title
002	Alexander, Bruce J.	Program Analyst
06	Josephson, Karen E.	Clerk-typist
0632	Cartwright, Hilda J.	Clerk-typist
0824	Saitz, Jessica A.	Computer Clerk
0833	Markarian, Gregory C.	Clerk-typist
0852	Vanskike, Dennis P.	Laborer
0853	McCorkle, Charlene L.	Clerk
0853	Truesdale, Jerry L.	Clerk
088	Frageman, Sandra N.	Clerk-typist
25012	Morris, Ronald D.	Computer Clerk
3153	Summers, Bill W.	Engrg. Tech.
3242	Adkins, Michael J.	Aerospace Engr.
3275	Wilson, Arlyn W.	Mechanical Engr.
335	Piper, Karen L.	Clerk-typist
3383	Nguyen, Ngoc V.	Chemical Engr.
3665	Markarian, Jeffery P.	Clerk
3918	Feist, Barney F.	Mechanical Engr.
6141	Sands, Howard C.	Warehouse Worker
6212	Griest, Wilmer M.	Engrg. Tech.
6214	Roseth, Jennifer S.	Clerk-typist
6423	Corlett, Kevin S.	Computer Clerk
6431	Kirk, Stephanie I.	Clerk-typist
21	Wirtz, Anne M.	Clerk-typist
2432	McChesney, Patty L.	Clerk-typist
2637	Fairchild, David D.	Architect
3114	Carroll, James K.	Electronics Tech.
3153	Hall, Mikki C.	Clerk-typist
3192	Alexander, Norman D.	Physicist
3192	Wilson, Kathy M.	Clerk-typist
3274	Herigstad, Debra M.	Computer Clerk
3274	Julander, Janna L.	Computer Clerk
3411	Arnold, David L.	Computer Clerk
3413	Danza, Lori A.	Clerk
3431	Melton, Angela R.	Clerk
3433	Melton, Mary I.	Clerk
3502	Fry, Stephen P.	Clerk
3502	Toy, Amy E.	Clerk-typist
3608	Nelson, Kari L.	Clerk-typist
36231	Means, James E.	Computer Clerk
3651	Gehres, Erika R.	Clerk
3658	Cogan, Andrew R.	Computer Clerk
3658	Horton, Shariene K.	Clerk-typist
366	Whitecloud, Lin	Clerk-typist
3686	Barnes, Charles W.	Electronics Engr.
3851	Weimer, Wayne A.	Research Chemist
3853	Richards Kari E.	Student Trainee
3854	Decker, David L.	Physical Science Aid
3854	Dragovich, Peter S.	Engrg. Aid
389	Beckstead, Merrill W.	Chemical Engr.
391	Wolverton, Carol	Clerk-typist
3911	Tucker, Leroy O.	Electronics Tech.
3925	West, Michael E.	Engrg. Aid
3942	Jain, Arun J.	Engrg. Aid
3944	Fry, John M.	Engrg. Aid
6202	Campos, Maureen	Clerk-typist
62141	Telles, Serafin	Ordnance Equip. Mech.
6236	Thoms, Michael S.	Electronics Tech.
6421	Corley, Brandy L.	Clerk
6421	Patterson, Lynette L.	Clerk-typist

Recent Separations

085	Vandyke, Ethel L.	Payroll Supv.
08C1	Piazza, Caren J.	Clerk
094	Hervey, N. Belle	Employee Development
096	Hopper, Ginger A.	Personnel Clerk
25242	Pyle, Deborah L.	Clerk-typist
26416	Graus, Frank J. III	Laborer
26435	Harven, John J.	Plumber
26435	Wilhelm, Bobby Y.	Pipefitter
268	Vandyke, Harold E.	Qual. Assurance Spec.
2694	Everitt, Mark O.	Engrg. Tech.
3152	Barnes, Michael J.	Engrg. Psychologist
31903	Seeley, Richard B.	Physicist
3196	Cooke, James R.	Mathematician
3274	Rodgers, Charley R.	Chemical Engr.
3331	Parker, Frank L.	Electronics Tech.
3411	Arnold, David L.	Computer Clerk
3687	Ceniceros, Janet M.	Secretary (Typing)
3915	Raphael, Margaret A.	Computer Scientist
3957	Dull, Melvin J.	Electronics Engr.
62132	Cordova, Dennis J.	Electronics Mech. Helper
1215	Bryant, Kenneth O.	Intelligence Research
2522	Bumgardner, Sharon D.	Clerk-typist
31403	Pope, Rolfe C. F.	Mathematician

TEACHER WANTED

Edwards Air Force Base is looking for an instructor to teach a course in logic design and switching theory. If you are interested, call Dr. Lathrop, Autovon 350-2527, Tuesdays or Thursdays in the evening. (Code 094)

NETWORK DESIGN

February 4-6, 0800-1600, Training Center. By: Jeff Held, Systems Technology Forum. Intended Audience: Those who have taken an "Intro to Data Communication" course or have equivalent work experience.

Objectives: This course will review choosing a network topology; determining throughput capacity; methods for estimating network performance; multi-point network performance analysis; distributed network design; selecting transmission facilities; network optimization; and network management considerations.

Scope: This course covers the processes and techniques required to identify the most attractive design solution and to optimize that solution in terms of cost and performance. This course teaches those processes and techniques with illustrations based on today's most widely used networks technologies — dial up, multipoint, multiplex, concentrator and public packet switched data networks. Student problem solving is emphasized throughout to provide "hands on" experience with the techniques involved.

The course includes a presentation of several types of analysis which are essential to systematic network design including: How to compare alternative network designs; how to estimate the expected performance of a data communications network; and how to optimize network configurations. The emphasis is on application.

Note: A calculator is required. Deadline: January 17.

COMMUNICATION AND NETWORKING SERIES

INTEGRATING VOICE AND DATA

January 22-24, 0800-1600, Training Center. By: Les LeMieux, Data Tech.

Intended Audience: Professionals involved with voice/data communications; managing telecommunications; data processing applications; information distribution; planning corporate networks; networking personal computers; reducing phone company charges, emerging technologies; the workplace in the next decade; and improving the corporate bottom line.

Objectives: Topics will include how to improve your corporate bottom line with your communications network; the technologies for integrating voice/data, PBX/LAN approaches, important features, future trends; tools for traffic engineering; key factors for information distribution planning; cost effective approaches for integrating voice and data; current vendor status; key factors in product selection; what to ask for in contract negotiations; techniques for successful network management; and invaluable lessons from real case studies.

Scope: This three day intensive seminar will provide you with a step-by-step approach necessary for determining your company's requirements and how to achieve the most cost effective and technologically flexible configuration.

Obtain the knowledge and tools that will enable you to make key decisions pertaining to the selection and implementation of voice/data equipment.

Learn techniques of traffic engineering and selection criteria as they pertain to making better decisions now and in the future use of voice and data. Understand how to apply the latest concepts and technology necessary to impact savings and effect the "bottom line".

Deadline: January 13.

LOCAL AREA NETWORKS: SELECTION AND IMPLEMENTATION

February 13-14, 0800-1600, Training Center. By: Roy Pepper, Digital Consulting Association.

Intended Audience: Managers, technicians and professionals at all levels who are involved in the planning and management of corporate communication systems. Previous experience with computing or data communications is not a prerequisite.

Objectives: Topics will cover the real LAN requirement (what is this network going to do?); the technical characteristics desired; timing (when will it be available?); business justification (costs and benefits of LANs); alternatives to LANs; implementation of LANs; and trends and issues.

Scope: This seminar will explain the new LAN concepts and technology. The seminar will also focus on the design issues corporate communications professionals, technicians and managers need to examine in order to select the system that best meets their organization's requirements. Attendees will learn how to define their requirements; set performance and management standards, choose the right system and design an implementation plan.

To help attendees evaluate the leading products available, the seminar will examine networks installed by major vendors that are up and running successfully; others that have faltered will be pinpointed and the reasons for their failures reviewed. Using real world examples ensures a high degree of knowledge transfer from the seminar to the job environment.

Each participant will receive a workbook complete with information and documentation on LANs.

Deadline: January 24.

OPTICAL FIBER COMMUNICATION SYSTEMS

March 3-5, 0800-1600, Training Center. By: Dr. Arthur Einhorn, Consultant.

Intended Audience: Engineers, managers, and planners who are now working or expect to work in the area of optical fiber communications.

Objectives: Topics will include the advantages of optical communications, some applications; communication theory concepts, including link budget, bit error rate, and signal to noise ratio; the technology of sources, modulation, detectors, and optical fibers relating very closely with how and why they are applied and what can be expected in the future; how devices are integrated together to form networks; the method of multiplexing several channels onto a single fiber; specific applications, including methods and performance; test methods and equipment that are used to verify performance and characteristics at the system and component levels; a comprehensive list of references which are keyed to the specific course material; and a liberal number of examples and problems to establish a firm understanding of the course material.

Scope: This three day seminar will present a comprehensive description of the technology and applications of optical fiber communication systems. The course introduces the fundamentals of optical communications and then follows through with the application of existing devices and systems, as well as those expected in the future.

Deadline: February 10.

'Flat-rate' per diem proposed to Congress

The House Government Operations Committee has passed a "flat-rate" per diem plan proposed by the administration that would relieve employees of the need to keep meal receipts, although they still would have to keep records of their lodging costs.

The system would grant flat meal allow-

ances to traveling federal employees and would reimburse them for their lodging costs, up to a ceiling set for each area. The General Services Administration would set the meal and lodging rates.

Full House and Senate passage is expected next year.

Cal-State Chico advisor on board

Dr. Orlando Madrigal of Cal-State University Chico will be on-Center Friday, Jan. 17 to advise current and prospective students in the external degree programs offered by the school. Cal-State University

Chico has external degree programs in computer science which lead to bachelor's and master's degrees. Those who wish to see Dr. Madrigal are asked to make an appointment by telephoning NWC ext. 2648.