



HAPPY CREW — These youngsters were having a good time as they did their thing during Saturday's Project Community Pride Day Cleanup. They were among nearly 1,000 volunteers who took part.

'Welcome Aboard' party planned

Supervisors, co-workers, and friends are invited to attend a "Welcome Aboard" reception for new military officers and civilian Junior Professional employees to be held Tuesday, Jan. 28. The reception, at the Commissioned Officers' Mess, is scheduled to begin at 5:30 p.m.

Everyone but the honorees and their spouses will be asked to contribute \$2 towards the cost of the hors d'oeuvres.

Military officers being welcomed include Cdr. Earl Fisher, Lt. Victor Cerne, Lt. John Kelly, Lt. Kevin Haines, Cdr. Thomas Williams, LCdr. Joseph Antonio, and Capt. Larry Hickford.

New Junior Professionals include Janette Sylvian, Daniel W. Fagen, Hang S. Lee, John E. Langan, Jonal Yip, Lanh V. Ngo, Gregory J. Hartmann, Norman D. Alexander, Morlin P. Hastings, Tim T. Yeung,

Douglas W. Brost, Gabriel J. Zappia Cecilia M. Kim, Russell L. Horn and Kim A. Kelly.

Also being welcomed are Alexander Y. Kim, Stuart R. Blashill, Samuel S. Moore, John T. Guy, Vaino V. Kodas, Wayne A. Weimer, Charles D. Creusere, Ba Duong, and Hao N. Tran.

No prior reservations are necessary to attend.

Desert Community Orchestra concert set

Soloist for the Desert Community Orchestra concert to be held at 4 p.m. on Sunday at the Center theater will be Roger Lacher, a teacher in the Sierra Sands Unified School District.

Prior to moving to Ridgecrest in 1979 to teach band, Lacher attended California State University Northridge, where he earned a bachelor's degree in music. He

has studied trombone with such eminent teachers as Miles Anderson, Roy Main, and Byron Peebles.

Lacher will be soloist for "Concerto on Trombone and Orchestra," by Gordon Jacob. He will join the brass section in playing "A Slavic Pageant," by Richard Walker, and Gus Guentzel's "Polonaise No. 4."

Also to be played by the orchestra at the concert are "Overture to Semiramide," by Rossini, and Haydn's Symphony No. 45, the "Farewell Symphony in F Sharp Minor."

General admission is \$4, with admission being \$2 for students under 18, senior citizens over 65, and enlisted military personnel.

Reunion in May

All Burroughs High School graduates who graduated in the first five classes after Burroughs High School was established are invited to attend a giant reunion May 23 through 25.

Anyone in this group who has not already been contacted by the committee is asked to get in touch with Phyllis Lane Lilly, 541 Allen Street, Ridgecrest, CA 93555, whose telephone number is 375-5669, or Anne Mayville Watson, 48 Canyon Oak Drive, San Raphael, CA 94903, whose telephone number is (415) 479-7335.



	Max	Min	Peak Gust
Fri.	71	26	8 knots
Sat.	74	25	6 knots
Sun.	73	29	6 knots
Mon.	69	29	5 knots
Tues.	56	39	15 knots
Wed.	67	33	22 knots
Thurs.	62	34	10

All measurements are made at Armitage Airfield.

Retiree seminar scheduled

A special seminar to update retired military and civilian personnel about benefits available to them as well as to bring them up to date about Center affairs

will be held on Wednesday, Jan. 24, in the Center theater. The program is scheduled to last from 10 to 11:30 a.m.

All retirees are invited to attend.



The Commissioned Officers Mess has reinstated its tasty brunch every Sunday from 9:30 a.m. until 1:30 p.m. New prices are: adults — \$4.95; children, age 7 to 12 — \$2.95, age 2 to 6 — \$1.95; and children under 2 are free.

The COM invites authorized patrons and guests to their "Membership Night" dinner on January 24. Dinner, served from 6 to 9 p.m., will include steak and shrimp, baked potato, dinner salad, vegetable, rolls and butter, and coffee or tea.

The fabulous band "Legends" will be playing for dancing and listening pleasure from 8 until 12 p.m. Door prizes will be offered. Prices for members will be \$3.00, while each additional meal will be \$10.00. Reservations are requested by January 23.

Tomorrow evening the Black Original Social Society will hold its Martin Luther King Dance at the BOSS club house, 1431 N. Downs in Ridgecrest. Music for dancing begins at 9 p.m. and lasts until 2 in the morning.

Admission is \$2 for non-BOSS members, and \$1 for members of BOSS. Those attending must be at least 21 years of age.

Disco at the Enlisted Mess next Wednesday and Friday with D.J. Steve Malan and his show "Upstage", starting at 8 p.m.

The Enlisted Mess will feature Porterhouse steak as the special for tonight.

Movies

FRIDAY, MONDAY	JANUARY 17, 20
"MY SCIENCE PROJECT"	Starring John Stockwell and Fisher Stevens (Science-Fiction, rated PG, 89 min.)
SATURDAY	JANUARY 18
"PETER PAN"	Starring Bobby Driscoll and Kathryn Beaumont (Animated, rated G, 77 min.)
SUNDAY	JANUARY 19
"AMERICAN FLYERS"	Starring Kevin Costner and David Grant (Drama, rated PG-13, 113 min.)
WEDNESDAY	JANUARY 22
"KEY EXCHANGE"	Starring Brooke Adams and Ben Masters (Comedy, rated R, 96 min.)
FRIDAY	JANUARY 24
"BABY — SECRET OF THE LOST LEGEND"	Starring William Katt and Shaun Young (Fantasy, rated PG, 93 min.)

Starting Times: Matinee / 2 pm Evening / 7 pm

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

Mil. Wives plan creative auction

On Friday, Jan. 31, the annual "Creative Auction" will once more be held at the Commissioned Officers' Mess. This annual fundraiser for scholarships is sponsored by the Military Wives Club.

Festivities will begin with a social hour at the close of the work day, to be followed by a taco buffet starting at 6 o'clock. The low price of \$4.50 includes all the tacos, rice and beans that anyone can eat.

The auction itself begins at 7:30 p.m. Auctioneers this year are Canadian Forces Major Larry Price and Lt. Mark Eoff from NWC. In addition to the remarkable purchases that can be made by those attending, a number of door prizes will also be presented.

Appropriate dress for the evening will be Country Western.

Reservations are necessary and may be made by telephoning 446-2549 by the close of business on Thursday, Jan. 30.

NEX News

Patrons of the Navy Exchange will be delighted to hear that they can now use either MasterCard or Visa to charge their purchases. Credit cards can be used at the snack bars, gas station, Mini Mart and the retail store.

In honor of Martin Luther King's birthday, the retail store will be closed on Monday, and so will the service station. The Mini Mart will be open from noon to 7 p.m. Sunday, with hours limited because of inventory taking, and will be open from 10 a.m. to 5:30 p.m. Monday. All NEX facilities will maintain their regular Saturday hours.

Recital slated

Lovers of classical piano will have a treat on Sunday, Jan. 26.

John Gibson, son of local weather forecaster John Gibson, and Teresa Videgar from Fontana will present a free recital at the Center theater at 3 p.m. on that day. Both are students of Dr. Gary Davenport.

★ U.S. Government Printing Office:

1986 — No. 20038

FROM:

PLACE
STAMP
HERE

TO:

Four receive Michelson Laboratories Awards

Four recipients were honored with Michelson Laboratories Awards at a well-attended ceremony held at the Commissioned Officers' Mess last Friday.

Award recipients were Eva W. Bien, the Center's Civilian Personnel Officer; Wayne Doucette, head of the Weapons Development Division in the Weapons Department; Dr. Arnold T. Nielsen, Senior Research Scientist in the Chemistry Division of the Research Department; and Dr. Douglas J. Sticht, head of the Special Project Office in the Microwave Development Division of the Electronic Warfare Department.

The Michelson Laboratories Award, established in 1966, honors either significant achievement in management and leadership bringing singular recognition to the individual and the Center, or individual efforts in overcoming technical difficulties to solving technical problems in ordnance development.

It is complementary to the Center's highest award, the L. T. E. Thompson Award.

Burrell Hays, NWC Technical Director, who opened the program, noted that the selection process for the Michelson Laboratories Award was excellent. He read a list of winners that included outstanding Center leaders, both technical and managerial, and added that he felt the current selectees were well worthy of joining the impressive list.

Capt. K. A. Dickerson, NWC Commander, noted that he was privileged to call forth this year's outstanding achievers. He then read the citations and names of the winners, as Hays presented each with the certificate and a "key" desk plaque engraved with name and year of presentation that comprise the award.

Ms. Bien was honored for outstanding management and leadership of the human resource programs at NWC. During the 28 years that she has held increasingly responsible positions at NWC, her innovative ideas and performance have made her a model for the "generalist" concept of personnel management, Capt. Dickerson said, resulting in NWC's Civilian Personnel Department being recognized as one of the finest in the Navy.

Ms. Bien expressed her surprise at being

the honor. "I want to thank everyone who helped me earn this award," she concluded.

Doucette's strong leadership capability, complemented by his strong technical competence, lead to his being chosen, Capt. Dickerson said. "He has been able to motivate and encourage others to do their best," the Skipper added, listing a number of the technical programs to which Doucette has brought guidance.

As well as expressing his appreciation for the management support provided by both the Commander and Technical Director,

Doucette said that "I'd like to thank all the people that I've worked with that make it such a joy to work here."

Dr. Nielsen received the award for his outstanding technical and scientific accomplishments in the field of organic chemistry and energetic materials. His work has helped make the Center a leader in the field of propellants, Capt. Dickerson said.

In accepting the award, Dr. Nielsen expressed his surprise and his appreciation to both the Center and the Navy for their support of his work.

Dr. Sticht was honored for new system concepts and programs that will make quantum improvements in future naval tactical air combat survivability. An expert in electronic countermeasures and electronic counter-countermeasures as well as in missile guidance and control, he is recognized by the department of Defense as a key technical contributor to a variety of electronic warfare programs and planning, according to Capt. Dickerson.

Dr. Sticht joined his fellow awardees in saying that "This is a pleasant surprise. All I can say is that I'd like to thank you all."



DISTINGUISHED AWARDEES — Winners of this year's Michelson Laboratories Award are joined by Capt. K. A. Dickerson and Burrell Hays. Seated are Eva Bien and Dr. Douglas Sticht. Standing are Dr. Arnold Nielsen and Wayne Doucette. Winners secured a certificate and plaque.



FINAL SALUTE — Cy Ebersberger returns the salute of sideboys as he and his wife Shirley are piped over the side, marking the final phase of a 30-year career in

the Seabee reserves, the last 25 of which were spent with China Lake Detachment of Reserve Mobile Naval Construction Battalion Seventeen.

Plank owner ends career as Seabee

When Reserve Mobile Naval Construction Battalion Seventeen was formed, Chief Equipment Operator Cy Ebersberger was a charter member, or plank owner at China Lake Detachment 0217.

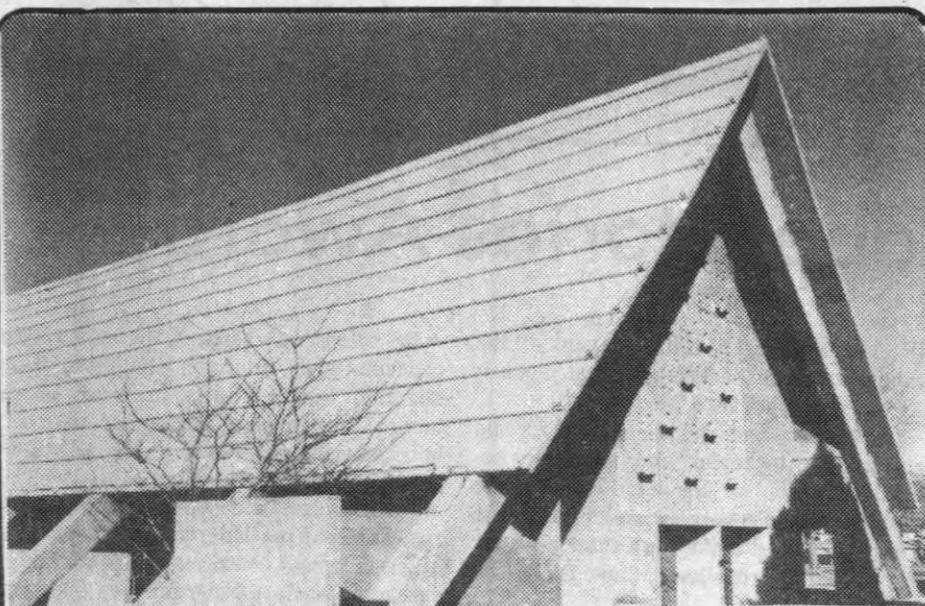
Twenty-five years later Chief Ebersberger has stepped down and ended a 30-year career as a Seabee reservist. Ebersberger, who has had a second career at the Naval Weapons Center during the same time, retired on Dec. 31 of 1985. The longtime Seabee was honored by Detachment 0217 at a ceremony on Sunday.

Cy, and his wife Shirley, were guests of honor at the retirement celebration at the Chief Petty Officers Mess.

Harry Parode, master of ceremonies praised Ebersberger as a "person who can motivate people and who respects people."

For a period of four years Cy was Officer in Charge of the detachment and at the same time of his retirement was serving as Delta Company Chief after beginning his career here as an administrative petty officer.

(Continued on Page 5)



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		

College extends registration for spring

Cerro Coso Community College has extended registration until January 24 for the Spring semester, which began January 13.

Extended registration, for classes that are not already filled to capacity, will take place Monday through Thursday from 10 a.m. to 7 p.m. and on Fridays from 10 a.m.

to 4 p.m. on a first-come, first-served basis.

Financial aid is available for those who need it.

For more information or class schedules, contact Student Services Office at 375-5001, ext. 219.

Secretaries have much mobility says Fran Rugg

"A good secretary," says Fran Rugg, secretary to Technical Director Burrell Hays, "is the glue that holds an office together." To be good, a secretary must both be organized and be a "people person," she feels, because "people make the difference."

Being a secretary has many advantages, she notes, because, although it entails a lot of responsibility, there's also the opportunity to always be in interesting places on board the Center.

"There's no other job series that has the mobility that the secretarial series has," she adds.

She herself has held a variety of jobs since she began work at NWC in 1979. From working in the office of the Coso Coordinator where she set up a reference library on the Coso geothermal resource, to becoming secretary for the Geothermal Division, to being the first Commercial Activities office secretary, she moved to the

department level as Personnel Department secretary, and then to her current job.

"I've really enjoyed meeting the wide range of people that I've gotten to work with," Mrs. Rugg says, "and learning about many of the Center's programs and projects."

Although she thoroughly enjoys secretarial duties, she had not planned on such a career while she was growing up in her native Roswell, New Mexico. She came to California to go to college at the University of Redlands. There she met and married her husband, David, and they've been in California ever since.

After he accepted a job in the Indian Wells Valley 22 years ago, Mrs. Rugg says that she was at home with their three children for the first 15 years they lived here. As the children grew up, she decided to expand her horizons by going to work. For two years she was a paraprofessional in the Sierra Sands School District, then she

Amnesty granted by DMV for outdated plate stickers

Motorists using vehicles with outdated license plate stickers can beat stiff penalties by acting during a three-month amnesty set in motion by the California Legislature, according to Department of Motor Vehicles Director George Meese.

During the period from Jan. 1 through March 31, 1986, motorists can pay delinquent license plate renewal fees to DMV without penalties. After that time, persons using unregistered vehicles face mandatory fines of \$50 to \$250. Vehicles can be impounded and their owners have to pay towing and storage charges. DMV can sell a delinquent vehicle for fees.

Meese says the amnesty covers any vehicle license plate fee due before March 1, 1985. No penalties will be charged for the current year if fees due before March 1, 1985 are paid at the same time.

After the amnesty ends, fees and

penalties will be added together for each year of delinquency as follows: unpaid one year or less, fees plus 20 percent penalty for that year; unpaid one to two years, fees plus 40 percent penalty for that year; and unpaid two to three years, fees plus 80 percent penalty for that year.

Peace officers will have the authority to impound a vehicle whose license plate sticker is more than one year old.

A person guilty of not registering a vehicle will be fined at least \$50 or as much as \$250.

Delinquent registration can be handled by mail or in person by calling a local DMV office or the Sacramento DMV headquarters special number (916) 732-7243. The car owner should tell the clerk why the call is being made and give the vehicle license number so the clerk can determine fees due and any documents that may be required.

Black Interest Program seeks committee members

NWC's Black Interest Program (BIP) is currently recruiting for additional committee members. Employees in all series and grades are encouraged to apply for these collateral duty positions.

BIP Committee members serve in a task-oriented monitoring and recommending capacity to the BIP Manager. Other duties and responsibilities include attending monthly BIP Committee meetings, supporting and assisting BIP Manager and the Deputy EEO Officer in such tasks as EEO publicity, Affirmative Action Plan development and carrying out an effective community relations program with regard to the interest of African-Americans and other minority groups.

Committee members are required to have knowledge of the particular employment problems of African-Americans and

other minority groups. A sensitivity to and ability to interface with people from all backgrounds is essential. Members are expected to establish a good working relationship with managers, personnelists, employees and community groups.

To apply for membership to the Black Interest Program Committee, call X2348 for an application form, or forms can be picked up in Room 205, Civilian Personnel Building.

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)

took the Civil Service test.

"After that, I had a job offer almost at once," she says, "and I've really enjoyed each of the jobs that I've held."

"When our children were growing up," Mrs. Rugg muses, "we taught them that there's a wonderful world out there that they should explore — but we didn't know just how literally they would take what we said." Molly, their daughter, now lives in Melbourne, Australia, with her husband, who is a Navy employee. Their son Kenneth is in the Air Force, stationed in Japan. Only their son Dan still works in Ridgecrest.

On free time both Mrs. Rugg and her husband enjoy getting out of town to go backpacking and fishing. ("One of my

Christmas presents is always a new fishing license," she says.) Her husband, who currently heads the Engineering Department's Software Engineering Office, likes to run — including running marathons — but she prefers to spend other spare time playing bridge or painting.

"I'm very happy that I got into the field of work here at NWC that I did," she notes. "I think we've got one of the best secretarial groups of any in the Navy laboratories. They are knowledgeable about the programs and loyal to the Center and all of them are way above average. I hope that we can continue to upgrade their professionalism."



PRIORITIZING PAPERWORK — Fran Rugg organizes folders and materials on Burrell Hays' desk so that he'll see the most urgent first.

Youth hoopsters begin winter action in league

Intermediate Division Celtics 36, Spurs 25

Three players in double figures did it all for the Celtics. Darrell Eddins, Jr., led the way with 14 points while Damon Kelling added 12 points and Carter Jones had a 10-point game. Scott Ross' 13 points were high for the Spurs while Dwight Mason kicked in with six points in the season opener for both teams.

Pistons 24, Rockets 13

A low scoring contest found the Pistons taking the win, thanks to a 10-point performance from Tom Mather and six more

from Tom Halem. The Rockets were led by six points collected by Sean Galbreath and four markers from Jason Kremsdorf.

Nuggets 26, Huskies 20

Scott Hansen's 21-point performance was tops for the Nuggets. Isaac Curran added four points. Josh Morehead had 12 points or the Huskies while four players chipped in with two points each in the loss.

Instructional Division Stars 22, Suns 12

David Davis notched 11 points while Louis Moore added five markers as the Stars ripped the Suns 22-12. In their Saturday contest the Suns got four points each

from Tony Dominquez and Michael Frederick.

Bulls 15, Nets 13

Opening their season with a victory, the Bulls benefitted from Tony Halem's

six-point performance. Keith Parris added five points for the winners. Larry Reeder's five points paced the Nets while the other four players chipped in with two points each.

Racquetball tournament scheduled Jan. 24-26

Double elimination racquetball play will be the basis for a Naval Weapons Center Racquetball Tournament on Jan. 24-26. This tournament is open to active duty

military personnel, DOD civilians, retired military and dependents of each group. Participants must be at least 17 years of age.

Registration for the tourney is open until Jan. 22. Interested persons may register at NWC Gym during normal working hours.

There are three divisions: open, novice and women.

Registration fees are \$3 for military and their dependents. DOD civilians and their dependents will pay \$5 per person.

For additional information call the Sports Branch at NWC ext. 2334.

Pony, Colt and umpire meetings planned

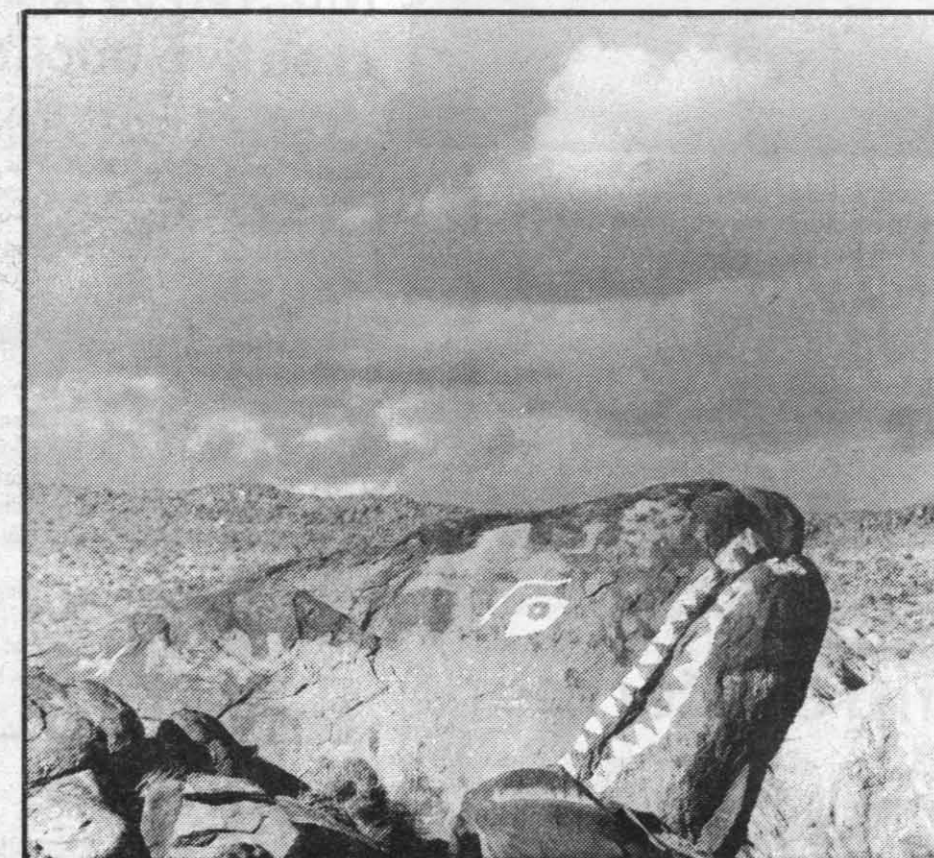
The Pony/Colt baseball league will have their first meeting tonight at 7 p.m. at the Elks Lodge. All persons interested in coaching or managing or being a board member are asked to attend. For further information please call Dave Patin

at 446-6429 during the day and 375-7159 in the evening.

Umpire Association Meeting

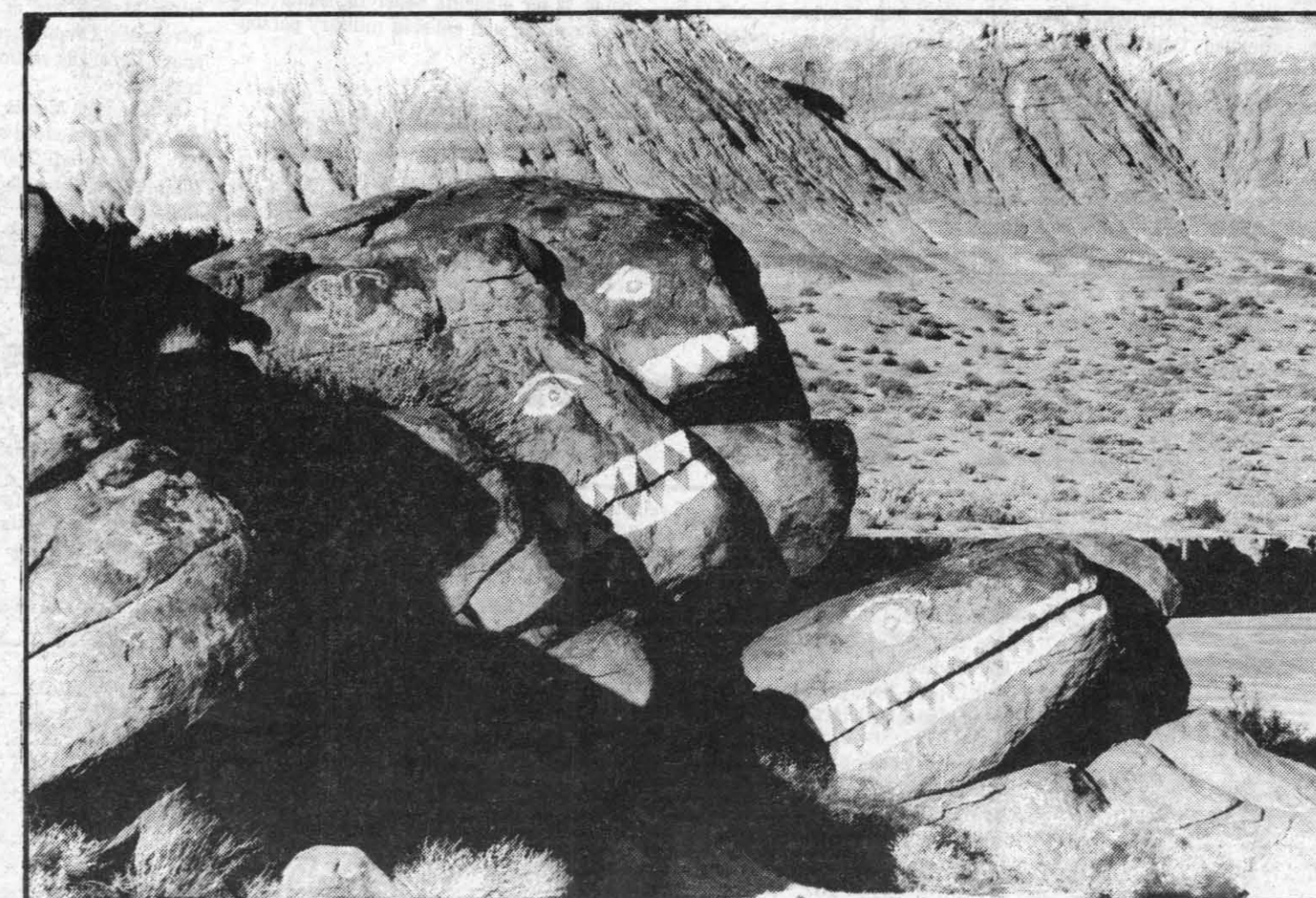
At the same time and the same place, there will be an umpire meeting for all interested parties. The league and the

association is in desperate need of help in this area. Any help that anyone can give in this area will be greatly appreciated. For further information concerning the umpire meeting please contact Rick Booth at 375-3309.



FISH ROCKS — Since the 1930s the Fish Rocks formation between Ridgecrest and Trona in Poison Canyon have been a familiar landmark for motorists. Believed to have been first painted by Joe Fox, the eyes and teeth have been spruced up every few years to keep their dramatic appearance intact. These rocks and the pipeline that transports fresh water to Trona and the Searles Valley have been the object of curiosity by many a motorist passing between Ridgecrest and Trona en route to Death Valley. —

Photos by PH2 Rick Moore



NWC Rocketeer

Captain K. A. Dickerson
NWC Commander

B. W. Hays
Technical Director

Denny Kline
Public Affairs Officer

Mickey Strang
Editor

Steve Boster
Associate Editor

PH2 Rick Moore

PHAA Bob Reynolds

Staff Photographers

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License fees ease budget problems for DFG

Hunting and fishing license fee increases, part of a fiscal program approved in October to help the Department of Fish and Game avoid financial shortfalls in the current fiscal year, are only slightly higher than they would have been through automatic indexing for inflation, DFG officials reported.

The resident all-purpose sport fishing license, which increased from \$13.75 to \$18.50 as of Jan. 1, would have been \$16.25 in 1986 without the new fiscal program.

"The fee increases are only one part of the financial picture," said DFG Director Jack Parnell. "We were facing a \$7.2 million deficit, and the majority of the funding we needed — \$5.2 million — came to us from the state general fund and other sources. The balance — about \$2 million — will be a result of the approximately \$2+ increase in most fees."

Parnell reminded hunters and anglers that the fee increases are part of a one-year legislative bill, and that additional legislation will be needed to extend the increases beyond 1986.

"We are working with the legislature and the administration to come up with a sound funding base that reflects our role as steward of all the fish and wildlife in California — and not just the game species," Parnell said. "Thus we are looking for sources of funding to augment what we receive in fees from the state's sportsmen and sportswomen."

"Whatever is finally decided regarding alternate funding sources will be an important factor in determining whether license fees can be reduced next year," Parnell said.

Other angling fee increases for 1986 include a boost in the ocean-only resident license from \$8 to \$10.50. A special upgrade stamp allows anglers who buy the ocean-only license to convert it to an all-purpose license at a later date for \$8.50.

Unchanged by the new fee structure is the cost of a striped bass stamp, which remains at \$3.50, and the special \$1 ocean-enhancement stamp for Pacific angling south of Point Arguello.

Changes in hunting license fees include an increase from \$14.50 to \$18.50 in the resident hunting license. Resident deer tag applications increased from \$7.50 to \$10.50 (one deer) and from \$17.50 to \$22.50 (two deer).

Resident bear tags are up from \$10 to \$15.50.

Fees now include a 50-cent handling charge that was optional for license agents in 1985, but is mandatory this year at license agent outlets. The charge will not apply at DFG offices, except for the resident sport fishing license upgrade stamp.

Special reduced-fee or free fishing license will remain under the same criteria for 1986 as they were in 1985. Specifically, Californians 65 years or older who meet low income criteria and disabled veterans may purchase a resident all-purpose fishing license for \$2.

Free sport fishing licenses are available to American Indians who meet low-income criteria to those who are blind, developmentally or physically disabled, or wards of the state.

All recipients of free and reduced-fee licenses must be California residents.



Sports

Rifle class set Sunday

Tomorrow (Saturday) is the last day to register for the beginners Rifle Marksmanship and Firearms Safety School conducted by Sierra Desert Gun Club members. Classes in the 12-week session begin Sunday, Jan. 19. Registration will be held from 10 a.m. to 2 p.m. at the Ridgecrest Police Department.

The marksmanship school will include about 15 hours of range activity and 26 hours of classroom instruction and field demonstrations. Classes will be held 1 to 4:40 p.m. Sundays at the club's facilities on board the Naval Weapons Center.

Classes are open to all area residents over 12 years of age. Enrollment will be limited to 50 students. There is a \$30 per student fee that covers materials used.

Holiday bowl

Entertainment will be available on Monday, Martin Luther King Jr.'s Birthday. Hall Memorial Lanes Bowling Center will be offering 3 games for \$1.50 from 11 a.m. to 11 p.m. China Lake Golf Course will be open to golf enthusiasts from 7 a.m. to 5:30 p.m. For swimming pleasure, the indoor pool will be opened from 12 to 5 p.m. Racquetball players, tennis players, and sports enthusiasts will be accommodated by the Sports Branch which will be open from 11 a.m. to 6 p.m.

NWC falters

Despite a 44-point performance from Ernest Pike and 25 points from Percy McAdoo, the NWC men's varsity basketball squad was beaten on their home court by cagers from Long Beach, 113-101.

The high-scoring NWC squad also got 12 points from Guy Wellington in the loss.

NWC cagers consistently face taller teams, but use a ball-control offense and hustle to stay close to their foes.

Jones' keggers retain advantage

Rolling along in first place, Jones Mobile sports a 203-97 record in Premier Bowling League competition. Buggy Bath bowlers are next with a 176-126 record while the Elks Lodge boasts a 154-146 mark.

Sam Schoenhals rolled a fine 252 game to lead individual bowlers. Dave Vander Houwen had a 235 game while John Salyers came in at 223 and Ron Keck rolled a 223 game.

Chuck Cutsinger had the top individual series with a 622 mark while Gary Barnes rolled a 606.



YOUTH HOOPSTERS — Young basketballers began their winter season Saturday when the two-month long NWC Youth Basketball League got under way in the Youth Center. —Photo by PHAA Bob Reynolds

Youth cage teams start winter play

Action began Saturday in the 1986 Naval Weapons Center Winter Youth Basketball League. The eighteen teams will play Saturdays, Fridays and Mondays through March 10. Games are played in the Youth Center of the NWC Gym.

This is a recreational league with no standings kept and no trophies presented at the end of the season. The emphasis in the Recreational Services Department's league is on providing an enjoyable recreation experience in basketball and learning the fundamentals of the game.

Senior Division
Clippers 37, Mavericks 36
Behind Wade Bevak's 23 points and a

10-point effort from Cecil Blank, the Clippers took a narrow victory. The Mavericks got a 16-point performance from Alden Jones while Jeff Smith added seven points in the season opening loss.

Bullets 39, Kings 33

Despite a 22-point outburst from Kris Meraz, the Kings ended their first game on the short end of a 39-33 score against the Bullets. Kevin Sizemore added seven points for the Kings. Christopher Armstrong ripped the nets for 23 points as he paced the Bullets to their opening win. Perry Martine added eight points in the win.

Junior Division
Pacers 30, Hawks 25

Scoring honors in the Pacers' 30-25 win were shared by James Bell and Todd Mather with 10 points each. Michael Moffitt added six points for the winners. The Hawks counted an eight point performance by David Bartels as their best effort while Perry Decker chipped in with six points.

Jazz 27, Lakers 16
Balanced scoring led by Chris Marshall's seven points and a six-point effort from Glen Kirkpatrick paced the Jazz in their win against the Lakers. Michael Strathdee led the Lakers effort with four points while Hynum Jones chipped in with two points.
(Continued on Page 7)



The Skipper Sez...

QUESTION

Civilian employee — During the past 3 months at the commissary, I've noticed a couple of things that should come to your attention since they have not been changing. (1) Very often the shelves are not stocked when a person comes to buy; that has improved a little bit. The other thing, last Saturday I was shopping, there was a very long line, people waiting, one cashier was open and she was working pretty slow, like one-potato, two-potato. There was no cashier, at the middle register; it was inoperative, but still there was another cash register with a person standing there idle because she would only take cash for less than 12 items. So there were 2 resources, a cashier and a person standing there idle for most of the time while 10 to 15 people were backed up waiting. The resources aren't being used efficiently. Since they put those bar code readers in over there, which should be more efficient, it seems to run less efficiently. It looks like they could run that express line, cash or under 12 items, as a first priority, but still maintain record as a function, as a second priority. I'm not talking from a vacuum. I grew up working in a grocery store; we had about the same staff and a bigger store, much busier store. We kept the shelves stocked, did the bagging, as a kid, and we also had to sweep the place out, so I know how an efficient operation runs. And we didn't have fancy bar code readers in those days, either. All I'm saying is that it can run efficiently, but it's not running efficiently. It ran more efficiently a year ago than it does now. I don't need a comment on this, I just wanted to call it to your attention. If you have someone go over there, you'll see what I mean. Thank you for your time.

ANSWER

The move to feed the express line with cash only patrons regardless of the quantity of items was a recommendation by the Navy Exchange/Commissary Advisory Board to expedite the checkout process. This was applied by the Commissary Store on a trial basis.

It is now determined that this procedure was not a viable solution to the problem of long checkout lines, as evidenced by several dissatisfied customers. To resolve this situation, we shifted back to the old procedure of feeding the express line with twelve items or less whether customers pay by cash or check. Additionally, if the express line is idle, it will accept patrons with more than twelve items.

The problem of empty shelves was realized and corrective action has been taken. Orders were increased to meet demands and to have full shelves to last through the day.

QUESTION

I am a civilian taxi driver and work out of transportation in public works. We are a dedicated group striving to give the best of service to the personnel on the base. We are often subjected to problems of faulty equipment or more often a shortage of manpower. Now it seems as in the past the parking situation in front of the administration building has once again become a matter of concern to the higher echelon. I will concede that this situation can be and has been a problem in the past, but in respect to the taxis it is my belief that a taxi stand, a small stand section, should be designated "Taxi Only." A waiting period of five minutes would enable us to take on and discharge passengers as well as deliver messages to your office as well as other departments in the building.

Passengers cannot see us when we are parked across the street and there is also the danger of two-way traffic. Under the circumstances I do not think a small area designated to the taxis is too much to ask. I sincerely hope that this suggestion will be taken under consideration.

ANSWER

You have an excellent idea. I have discussed it with the China Lake Police Division and have subsequently authorized the taxi drivers to park short of the Quarter Deck while waiting for passengers. The driver remains in the car and the wait is only about 3 minutes. Another plus is that already scarce parking is available for deliveries, etc.

All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. K. A. Dickerson. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the 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.

Telephone system to be replaced

Plans for replacing the Center's current telephone system with a new reliable, flexible and secured voice and low-speed data capability are now being finalized by the Communication Systems Division of the Information Systems Group.

The current system is a mix of partially outdated government- and Continental Telephone Company-owned equipment. The new system will use state-of-the-art, computerized private branch exchange (CPBX) equipment. The specification for the CPBX will be presented at a Technical Advisory Committee meeting in February.

The Communications Development Branch and Telephone Services Branch of Code 14 developed the specification for the CPBX system, which will include a Centerwide voice network (including AUTOVON) able to support voice com-

munications needs of the Center's current 8,000 subscribers as well as additional future subscribers.

The CPBX system will also provide a Centerwide accessible, low-speed data communications network for workstation-to-workstation and workstation-to-host communications, as well as accessible workstation connections to networks external to the Center.

Local area networks, host computers, and voice instruments connected to the CPBX will be able to communicate with any similarly connected population center, assessable resource, or service at NWC.

The system will include Centerwide preinstalled uniform wiring and connection plugs to allow easy installation and relocation of voice and low-speed data communication services. The CPBX system

will provide enhanced, up-to-date voice services, including capabilities of station message detailed recording, uniform numbering, call forwarding, conference call, rapid redial, memory speed calling and least-cost toll routing.

In addition, the CPBX is expected to minimize costs and delays associated with moves and changes of personnel voice and data equipment while providing for future growth of facilities and numbers of personnel.

The new system will also provide data-switching features for up to 20 percent of each population center at NWC, especially during development of corporate baseband and broadband local area networks.

The estimated installation date for the new CPBX system is FY-88.



BUSINESS WAS PICKING UP — Seabees from the China Lake Detachment and Sea Cadets were among the uniformed volunteers keeping the community clean. —Photo by CM1 Jerry Morrison

Volunteers win battle against mound of trash

Volunteers gathered more than 1,360 bags of trash, six truck loads of large trash and six truck loads of tumbleweeds as the Sixth Annual Project Community Pride Day Cleanup was hailed as the most successful ever.

With participation from more than 300 volunteers at seven local schools added to the individuals and groups who gathered at the Naval Weapons Center's Schoeffel Field, total volunteers neared the 1,000 mark according to official counts and surpassed 1,000 according to some observers.

In addition to trash removed from NWC and the Ridgecrest area, volunteers found \$36 in cash, 125-feet of high-tension telephone cable, a car hood, two golf balls, a tennis ball, a Cabbage Patch doll birth certificate along with one dead bird, a dead rabbit and a dead snake.

Before heading out to clean, volunteers consumed eight-dozen donuts, 12 gallons of coffee and six gallons of hot chocolate.

At the free lunch provided by organizers and generous area merchants, the hard-working clean up crews quickly disposed of

760 hot dogs, 854 bags of chips, 840 cups of soda, two cases of oranges, and 500 cookies.

Donations came from the Federal Managers Association, NWC Federal Credit Union, Bay Cities Sanitation, Ridgecrest Sanitation, Caltrans District Nine, Ridgecrest Area Transit System, Future Homemakers of America at Burroughs and Murray Schools, Council of Organizations, Ridgecrest Chamber of Commerce, Albertson's, McDonald's, Bank of America, Del Taco, Ramsey Distributing, First American Title, Safeway, 7-Up Bottling Co., Hamburger Stand, Community First Bank, First Federal Savings and Loan, Pepsi-Cola Bottling Co. and Century Title and Guaranty. Also, Navy League Sea Cadets, Boy Scouts, Seabees from China Lake Detachment of Reserve Mobile Naval Construction Battalion 17, Girl Scouts and Brownies donated time and effort.

Leadership talk slated Thursday

James M. Kouzes will present "The Leadership Challenge" during one of the first Technical Director's seminars of the new year on Thursday, Jan. 23, in the Michelson Laboratory auditorium (Room 1000D). The talk is scheduled from 9:30 to 11 a.m. All Center personnel are invited to attend.

Kouzes, who has conducted extensive studies of leadership with Barry Z. Posner, will discuss practices of exemplary leadership, how leaders motivate others to excel, how leaders mobilize others to build exceptional organizations, and how leadership differs from management.

An experienced administrator himself, Kouzes has served as a consultant for industry, government and service agencies since 1969. He is current Director of the Executive Development Center, Leavey School of Business and Administration, University of Santa Clara. He has published extensively, and his work has been featured on cable television news as well as in numerous business publications.

XF4D-1 used as test bed for GE's J-29 engine

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.

Historical aircraft of all kinds can be found scattered around the Naval Weapons Center. Among them, the XF4D-1 that used to grace the gate to Armitage Field.

This aircraft hasn't moved, but the gate has. Brought to China Lake from Edwards Air Force Base where General Electric had used it as a test bed for the now famous J-79 engine, the XF4D-1 set two world records.

Flying the three-kilometer low-level course, it set a record of 752.9 miles per hour. Just 13 days later it established what was then a world's record of 728.11 miles per hour for the 100-kilometer closed-course flight.

At China Lake the XF4D-1 was used for project work, including environmental studies before being consigned to display purposes.

In 1969, enlisted personnel from the Naval Air Facility spent more than 150 man-hours in making the XF4D-1 ready for a static display as part of China Lake's annual Armed Forces Day celebration.

The aircraft was the forerunner of the F-1 Skyraider and used the more common J-34 engine with an afterburner before becoming the J-79 test bed.

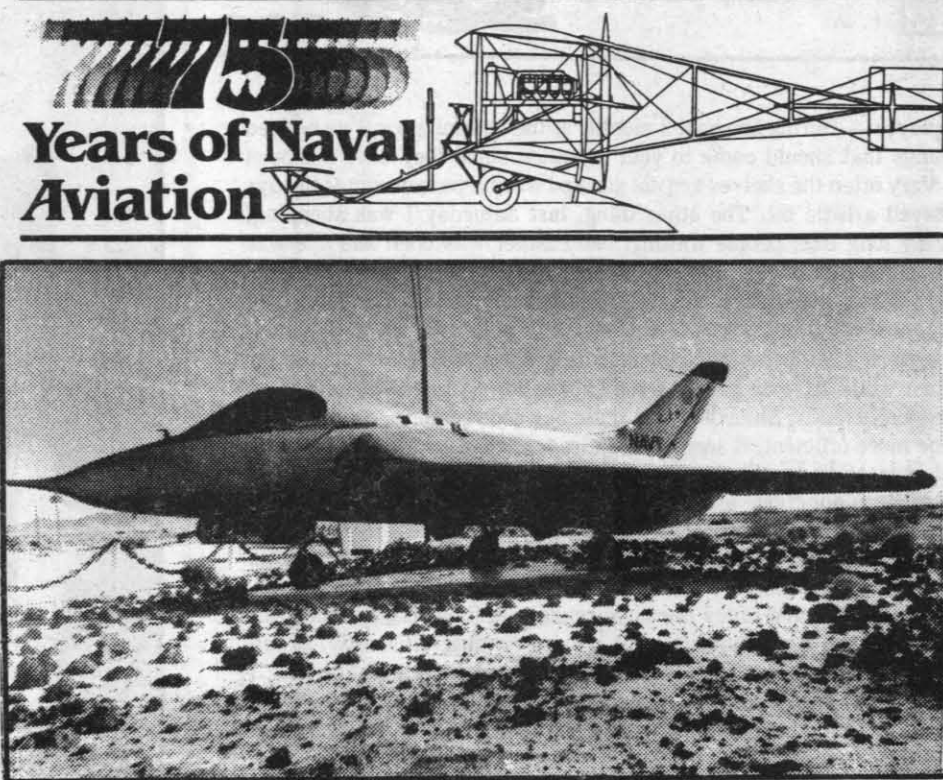
By the time China Lake was directed to take over the aircraft, as the nearest Naval facility to Edwards, it wasn't in shape to fly anymore so it had to be trucked up the highway.

After getting all necessary permits for wide loads on a state highway, China Lakers towed the XF4D-1 from Edwards to China Lake when traffic was at its lightest, about 3

o'clock one summer morning.

One of only two prototype models made by the then Douglas Aircraft Company, the XF4D-1 made significant

contributions to aviation as a test bed for what became one of the most famous jet engines and for speed records it once held.



Skipper to talk at Prayer Breakfast



An exceptional program is being offered at the local celebration of the National Prayer Breakfast on Thursday, Feb. 6. The breakfast will be held at the Enlisted Mess from 6 to 7:15 a.m., and all local military and civilian personnel are invited to attend.

Guest speaker for the occasion will be Capt. K. A. Dickerson, NWC Commander. Also on the program will be various prominent Ridgecrest and China Lake personnel.

Cost of the breakfast is \$3.25 per person. Tickets can be purchased from the NWC Chaplain's Office, from ABCM Larry Dwyer at Room 3207 of Hangar 3, and at the Barbarshop in Bennington Plaza.

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

Rental, utility rates change

Information on the adjustment in civilian rental charges for the Naval Weapons Center housing facilities has been received from the Western Division of the Naval Facilities Engineering Command in San Bruno, Calif. The new rates will be implemented on March 1.

The rental increase of 1.9 percent is change.

based on the Consumer Price Index (CPI). The utility increase is based on the average residential rate for the utility in the established community or survey area as of September 30, 1985.

Active duty military personnel assigned to public quarters are not affected by this

SHELTER RENTS AND UTILITY RATES

Effective: March 1, 1986

Type	Rent	Utilities	Total
SOQ (4)	814.80	202.50	1,017.30
SSQ (3)	529.50	223.20	752.70
SSQ Saratoga	438.20	225.00	663.20
Sierra (4)	618.30	159.90	778.20
Coso (3)	563.70	144.00	707.70
Panamint (4)	540.90	165.90	706.80
Panamint (3)	492.00	147.30	639.30
JOQ (Rear Terrace) (3)	563.70	150.90	714.60
JOQ (Front Terrace) (3)	455.40	144.60	600.00
JOQ (Front Terrace) 1 Bath (3)	403.50	144.60	548.10
JOQ (Rear Terrace) (2)	419.40	118.20	537.60
JOQ (Front Terrace) (2)	377.10	118.20	495.30
MOQ (3)	501.90	170.10	672.00
Hill Duplex (3)	415.30	128.40	543.60
Hill Duplex (2)	317.10	118.80	435.90
Wasp Circle (3)	390.60	175.80	566.40
Joshua	461.70	145.50	607.20
Yucca (4) (Convertible)	466.20	140.40	606.60
Tamarisk (4) (Convertible)	423.90	137.40	561.30
Juniper (3)	420.00	128.70	548.70
Old Duplex (3)	438.00	141.00	579.00
Old Duplex (2) (Dining Addition)	345.30	121.80	467.10
Old Duplex (2)	314.40	111.60	426.00
Old Duplex (1)	255.30	75.30	330.60
Motel Apts (1) With Yard Maintenance	273.90	47.10	321.00
Motel Apts (1) Without	218.10	40.80	258.90
Motel Apartment (1) Without	260.40	47.10	307.50
Motel Apartment (1) Without	204.60	40.80	245.40
Old Apartment (2)	254.10	90.90	345.00
Old Apartment (1)	226.50	52.50	279.00

China Lake Police Reports

At the intersection of Bard and East Inyokern Road, a 1981 Toyota Corolla pulled out in front of a 1980 Honda motorcycle. The cycle couldn't stop and crashed into the side of the car, resulting in injuries to both the motorcyclist and his passenger. They were transported to the Ridgecrest Community Hospital. The accident is still under investigation by China Lake police.

Someone removed a personal calculator from the desk of a woman working in Michelson Laboratory.

Unknown persons took a fire extinguisher cart from Hangar 2.

A sailor living in the BEQ reported that

someone broke the highlight on his motorcycle.

A military man was stopped for erratic driving in the 500 block of East Inyokern Road. He was found to be under the influence of alcohol, was held for 5 hours at the China Lake police station to sober up, then was cited into East Kern Municipal Court and released.

On Sunday unknown persons broke a water line at Groves School.

Sunday evening the Fire Division responded to two calls: a military person fell and injured an ankle at the bowling alley and needed to be transported to the Medical Clinic, and a military person fell from a platform at the ready line at VX-5, resulting in an injured back that needed treatment at the clinic.

A 12-year-old at Murray School was arrested for assault with a deadly weapon when he picked up a classroom chair and threatened to hit his teacher with the chair.

Another student was able to take the chair away from him.

Vehicles did not fare well on Wednesday and Thursday of last week; police were called for a rash of accidents. In a backing accident at the NEX service station, minor damage to both vehicles occurred, but no one was injured. Ten minutes later, a driver on Stroop Avenue hit a dog, resulting in minor damage to the vehicle but no apparent injury to the animal. A man ran into a telephone pole on the north side of the headquarters building at CLPP at 10:20 a.m. Thursday. Moderate damage resulted to the vehicle, and the driver was taken to the Branch Medical Clinic by Fire Division ambulance to check him for injuries. No injuries occurred in a midafternoon traffic collision on the gun line access road when a Navy vehicle backed into a Hertz rental car, but the vehicles sustained minor damage.

A jogger running in the desert near Thompson Laboratory found a five ton floor jack.



HONORED VISITOR — Dr. Dick Kistler, head of Central Staff, gives Donna Stoffer an NWC plaque on the occasion of her recent visit to the Center. Ms. Stoffer is Associate Program Manager of the NAVCOMPT trainee program. She was on board for a program visit.

Ebersberger completes lengthy Seabee career

(Continued from Page 1)

Chief Carl Nyholm, current Officer in Charge for RMNCB 17, China Lake Detachment 0217, said Chief Ebersberger will "be very strongly missed by all of us in this detachment." He also praised the now retired Ebersberger for his involvement in activities like Project Community Pride and other civic programs.

During his 30 year military career as a Seabee, Chief Ebersberger has spent active duty training tours in garden spots like Twentynine Palms; Gulfport, Miss.; Hawaii; the Canal Zone and at least three tours to Camp Pendleton. He also made several stops at Port Hueneme and a tour at Roosevelt Roads, Puerto Rico.

Chief Nyholm commented that Ebersberger had been the principal liaison between the China Lake Seabee Detach-

ment at Naval Weapons Center command for several years.

When not busy with weekend community or Seabee activities, Ebersberger put in full days in his principal occupation as part of NWC's Central Staff Department. He is currently serving as associate division head for the department's Customer Services Division.

Dick Boyd, head of NWC's Range

Department presented a department plaque to Ebersberger and commented on the outstanding work on Range Department facilities done by Seabees from the China Lake Detachment. He noted Chief Ebersberger had been instrumental in completion of many of these projects.

The retiring Chief became the first person to receive the Code 08 department plaque without leaving NWC. On Monday

morning, Ebersberger was back on the job at NWC as usual, but his official Seabee connection was no more.

Cdr. J.E. Ely, Assistant Public Works Officer, presented the Code 26 plaque and recalled the contributions made by Ebersberger and the Seabees to NWC.

Also making presentations were Patty Lawson representing Central Staff and Dr. R.E. Kistler, head of Central Staff, representing NWC Commander, Capt. K.A. Dickerson.

Chief Ebersberger was piped over the side by shipmates from the China Lake's Seabee detachment in the same room where he was inducted into the ranks of chief petty officers in 1981, thus ending a long, enjoyable, visible and highly distinguished career in the Seabee reserves.



Military News

AE3 Marty Chilton honored as top NWC sailor

His work at the Naval Weapons Center Hotline as Training Petty Officer and an FA-18 plane captain brought NWC Sailor of the Quarter honors to AE3 Marty Chilton.

The North Carolina native has been in the Navy about two and a half years, most of it as a member of the NWC Aircraft Department family.

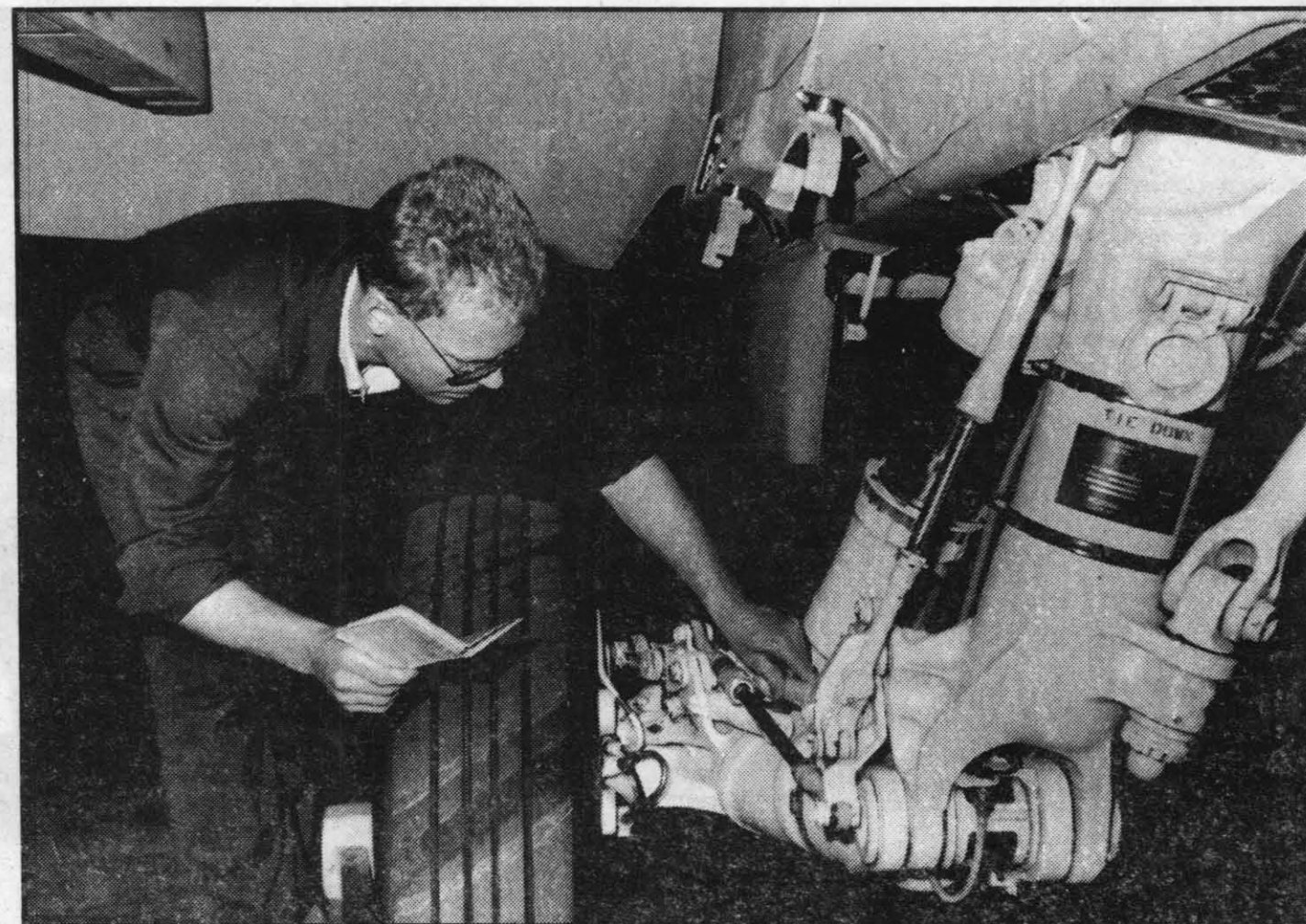
"The Navy had a wide variety of technical jobs available," said Petty Officer Chilton. "I wanted to go into a job with technical background and the Navy had a lot to offer," he added.

As Training Petty Officer for the Hotline, he has been responsible for taking care of training records, keeping training up-to-date and coordinating formal training schedules and bringing in personnel to conduct training sessions.

An Aviation Electrician's Mate, Petty Officer Chilton said he expected to move to the electrical shop at the airfield in the near future. He noted the year and a half he has spent at the Hotline has been very informative and to his benefit. "You learn a lot about the aircraft, terminology and operations at the Hotline and that will help when I move to the shop," commented AE2 Chilton.

While his future plans are still undecided, AE3 Chilton is continuing his education while in the Navy. He is enrolled in Cerro Coso Community College classes leading to an Associated Degree in computer technology.

The NWC Sailor of the Quarter for the last quarter of 1985 and his wife, Susie, reside on board the Center.



TOP SAILOR — AE3 Marty Chilton goes by the book as he checks out the landing gear on an FA-18 Hornet.

Petty Officer Chilton is NWC's Sailor of the Quarter. He now goes for Sailor of the Year.

SECNAV approves policy dealing with AIDS

On December 4, the Secretary of the Navy signed the Navy's policy for identifying, monitoring and handling people infected with the HTLV III antibody associated with the virus that causes AIDS.

Studies to date indicate the HTLV III virus can be transmitted only by having sexual relations with an infected person, sharing needles for intravenous drug use, receiving infected blood products, or passing from an infected mother to her fetus.

As soon as procedures are approved and implemented, Navywide testing will begin on a priority basis until full testing capability has been developed.

Top priority will be given to active duty and reserve people serving in, awaiting

assignment to, or already deployed to areas of the world with a high risk of "local" disease or with minimal existing medical capabilities.

Active duty and reserve personnel assigned to, or awaiting assignment to units subject to deployment on short notice to these high risk areas will be given second priority.

Medical and dental personnel on active duty will be tested third while any active duty or reserve personnel serving in or awaiting assignment to all other overseas duty stations will be tested next.

Thereafter, all other active duty people will be tested with any scheduled medical examination, if testing was not done

within the preceding 12 months. Other reserve personnel will be tested as resources permit.

The highly-sensitive Elisa Test will be given as the preliminary screening test. It will be repeated a second time on all people who test positive. Individuals testing positive a second time will undergo Western Blot Testing which eliminates, as far as presently possible, all Elisa false positives.

A positive test result does not mean a person has or will get AIDS. It only means a person has been exposed to the HTLV III virus. Those who are confirmed positive by the Western Blot Test will be referred to Naval Hospitals in San Diego, CA; Bethesda, Md.; Portsmouth, Va.; or

Oakland, Calif. for medical evaluation.

People with confirmed positive tests who do not show signs of progressive clinical illness of immune deficiencies will be kept in the Navy.

Tax returns for military

Military personnel may be taxed for certain military compensations including mileage allowance (less expenses for self); reenlistment bonus; service pay; and voluntary allotments. Interest on GI life insurance dividends left on deposit with the Veterans Administration; payments from former employer; and retirement pay are also taxable.

Cost of aigulettes, epaulets, campaign bars, cap and corps devices and chin straps can be deducted. Other costs that can be deducted are reservists' local transportation expenses (limited); reservists' uniforms and maintenance expenses (not reimbursed); and unreimbursed travel and transportation expenditures in course of employment.

Cdr. Hermann guest at Jan. 28 meeting to answer questions about Branch clinic

All military members and their spouses are invited to attend a meeting concerning the Branch Medical Clinic that will be held at 7 p.m. on Tuesday, Jan. 28, at Chapel Annex 4.

Cdr. Dean Hermann, Officer-in-Charge of the clinic, will answer questions or hear complaints about clinic operations at this meeting sponsored by the VX-5 Wives Club and the Ombudsman. Anyone with any

questions about the meeting can obtain further information by telephoning Lynn Fry at 446-7503.

Parents are asked to leave their children at home rather than bringing them.

SOFTWARE REQUIREMENTS, SPECIFICATIONS, AND TESTS

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

Intended Audience: 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 valuable for those who are active in implementing systems, and for those who are acquiring them under contract.

Scope: Provides you with specific guidelines and practical methods for defining requirements, developing specifications, and for integrating test plans early in the software development cycle.

You will learn how to

- Use systematic techniques for analyzing and documenting end-user requirements.
- Generate software requirements that include test criteria.
- Develop detailed specifications for software design and test.
- Incorporate the unique constraints of real-time functions in requirements, specifications, and test documents.
- Validate software requirements and specifications.
- Plan the sequencing of test and integration procedures.

Note: A go/no go decision will be made on this course prior to 31 January. If you are interested in this course, call Jeannie, ext. 2359, and then follow up with a training request to Code 094 no later than 31 January.

Deadline: 31 January.

DATA MANAGEMENT & DOCUMENTATION

12 February, 0800-1600, Training Center. By: Bonnie Smith, Code 3651.

Intended Audience: Technical Managers Curriculum participants.

Scope: Emphasis is on what the program or technical manager, not the practitioner, should know about data management and documentation. Topics include what data management and documentation is, why it is important, and how it is integrated into the acquisition program.

Deadline: 29 January.

NAVY SOFTWARE, SPECIFICATIONS, STANDARDS, POLICIES, AND PROCEDURES

18-21 February, 0800-1130 and 1300-1600, Training Center. By: Sandy Pryor, Code 36501.

Scope: Until less than 10 years ago, only a few regulatory and guiding documents—directives, instructions, specifications, standards, and guidelines—existed for software development. Now DOD, service commands, industry, the Center, and others have issued scores of these documents. This class identifies which apply to NWC, critiques their relative merits, and gives guidance on when and how to use them. Anyone involved in managing, developing, contracting, or providing support for a project that has software in it would benefit from this class.

Deadline: 3 February.

1100 SERIES SYSTEMS CONCEPTS

10 February, 0800-1600, Trailer 1414A, Michelson Laboratory. By: Datametrics.

Prerequisite: Computer fundamentals or data processing concepts or equivalent computer experience.

Intended Audience: Beginning users of the SPERRY-UNIVAC 1100 computer.

Scope: In this course you should learn to list the general characteristics of the 1100 Series hardware, describe the 1100 Series instruction word format, describe the general sequence of events in the processing of a run through the 1100 Executive, and list the basic formats. Topics include 1100 Series hardware concepts, 1100 Series operating system components, 1100 Series operating systems concepts, run control and runstream processing, file concepts, and system and application software.

Deadline: 27 January.

1100 EXECUTIVE CONTROL LANGUAGE

11-14 February, 0800-1600, Trailer 1414A, Michelson Laboratory. By: Datametrics.

Prerequisite: 1100 Series system concepts or equivalent experience.

Intended Audience: Beginning users of the SPERRY-UNIVAC 1100 computer.

Scope: Upon completion of this course, you will be able to use 1100 control language commands to construct runstreams for most data processing applications. These applications include being able to

- Compile, collect, and execute a user program.
- Create, use, and manipulate files.
- Correct symbolic programs.
- Build and use canned runstreams.
- Use tape files.
- Partition and direct printed output.

Note: We recommend that you obtain a computer password from Computer Operations before class.

Deadline: 28 January.

SOFTWARE QUALITY ASSURANCE

27 and 28 February, 0800-1600, Training Center. By: Jim Dorrell, Code 3907.

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

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

Deadline: 31 January.

For further information call Debbie Clark, ext. 3431, or Hewlett Packard, 375-3339. (Code 3623)

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Deadline: 31 January.

DATA BASE CONCEPTS

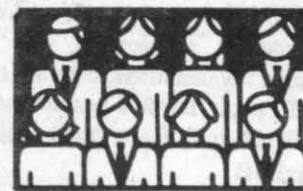
19-21 February, 0800-1600, Training Center. By: Institute for Advanced Technology.

Intended Audience: Data processing management, senior technical personnel in DP, and general management users of DP.

Scope: This seminar is oriented toward management and senior technical staff people who require a general understanding of the nature and characteristics of data base operations and generalized data base management systems. Topics include the impact of data base upon an organization and a description of environments in which a data base functions most effectively: management information systems, on-line systems, and transaction (event) oriented environments. Emphasis is placed on the justification and cost/benefit analysis of a data base effort and upon long-range planning for implementation.

OUTLINE: Data base concepts.
Current data base systems.
Justification of the data base—is a data base always the answer?
Planning for the data base—why do some fail?
Evaluation and selection of a DBMS—which is the "right" system?
Data base implementation.
Administration and control of the data base.

Deadline: 31 January.



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 Knowledge/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. 08-005, Budget Clerk/Assistant, GS-561-4/5/6, Code 0833 — This position is located in the Office of Finance and Management, Budget Division. The incumbent will provide fiscal clerical support to the Branch or any of the departments it serves. Incumbent assists in preparing overhead budgets and reports; monitors in customer and job order numbers; and processes travel orders and/or material requisition actions. Ability: to meet deadlines under pressure; to work rapidly and accurately; to work with figures. Knowledge: of accounting or budget clerical procedures. Promotion potential to GS-6.

No. 08-006, Lead Accounting Technician, GS-525-6/7, Code 0861 — This position is the Leader, Billing and Fund Control Section of the General Accounting Branch. Incumbent is responsible for maintaining Fund Order ledgers for the Navy Industrial Fund (NIF) Accounting Systems; prepares vouchers for transfers between appropriations and/or funds (billings) using the ADP Automated Billing System (ABS) and Fund Order ledgers; coordinates, controls, and reviews incoming funds, transfers between accounts, reimbursable orders off-station financing, prior year funds, etc., for statements made on and off Center; prepares monthly, quarterly, and yearly Financial Statements; and performs other related assignments with the branch. Knowledge: of fund accounting methods, procedures, and techniques; of the NIF accounting system. Ability: to prepare financial statements and reports; to develop procedures, prepare correspondence, reports and justifications using accounting data; to analyze operations. Promotion potential to GS-7.

No. 14-024, Computer Clerk, GS-35-3/4/5, Code 1442 — Incumbent will assemble, or-

ganize and input data into document entry format, maintain the documents, assist in their input into computer and assist in the maintenance of existing financial and procurement data files. Knowledge: basic operating procedures for office automation equipment workstation (i.e., Xerox Star DECIMATE II, IBM 3270-PC, etc.); procurement procedures; NWC financial procedures governing job order definitions. Promotion potential: GS-5. Previous applicants need not reapply.

No. 14-118, Computer Specialist/Computer Systems Analyst, DS-334-3, Code 1413 — Incumbent will provide systems programming support to DMS-1100 and ANS (American National Standard)-COBOL Center and contractor users. Incumbent will support Code 143 as required concerning OS-1100/ANS-COBOL and OS-1100/DMS-1000/TIP-110 DBA system functions. Systems programming support functions include user consultation (including data base design assistance), program trouble-shooting, identifying and reporting software "bugs" to the appropriate vendor, obtaining and/or conducting user education classes, and ensuring that up-to-date documentation is available to the user through the Central Computing Facility library. Knowledge: UNIVAC's DMS-1100 CODASYL (Conference for Data Systems Languages), ANS-COBOL, and DBMS (network). Abilities: to interface with all levels of personnel, both on- and off-Center. Previous applicants need not reapply.

No. 24-005, Lead Firefighter, GS-081-6, Code 242 — This announcement will be used to establish the promotion register for subject position and will become effective January 1986 and will remain in effect through July 1986. Supplemental Qualifications Statement Required — Incumbent is

crew chief of a major piece of motorized firefighting apparatus and its crew. Duties include answering fire alarms, instructing crew in operation of fire equipment and all phases of firefighting and direction fighting of fires in absence of higher authority. KSAs: K - of fire prevention practices; of locations (streets, water distribution, alarm/detection systems, building contents, layouts, etc.). A - to communicate effectively both orally and in writing; to supervise and conduct inspections to identify fire hazards; to motivate, train and work effectively with subordinates with diverse backgrounds; to plan work and carry out assignments; to or potential to plan initial attack including rescue, control and extinguishment of fires. Promotion potential to GS-6.

No. 33-003, Supervisory Interdisciplinary (General/Electronics/Mechanical Engineer/Physicist) DP-801/855/1310-3/4, Code 33302 — This position is the Phoenix Ordnance Technical Manager. Under the incumbent's direction, the Technical Office manages the ordnance related activities at NAVWPNCEN (typically 30 to 35 man-years) and at various contractors in support of the Phoenix Missile Program. Technical direction is provided for various NAVAIRSYSCOM contracts. The incumbent is responsible for providing leadership for the NAVSPNCEN technical team supporting the program and for the direct management of the Technical Office personnel. In addition, the Phoenix Ordnance Technical Manager provides the primary point of contact for the NAVAIRSYSCOM Phoenix Program Manager and is responsible for interfacing with all levels of NAVWPNCEN management, NAVAIRSYSCOM sponsors, other government agencies, and contractors. Knowledge: general knowledge of guided missiles and the development process; of the Navy system acquisition process and funding system; specific technical knowledge of guided missile ordnance design is desirable, but not required. Abilities: to provide effective technical and managerial direction to a multi-disciplined technical team; and to communicate effectively, both orally and in writing. Promotion potential to DP-4, but not guaranteed. DP-4 will be filled by reassignment only.

No. 33-004, Electronics Technician, DT-856-A/1/2, Code 3337 — This position is located in the Short Range Missile Fuze Branch, Fuze Systems Division, Fuze and Sensors Department. The incumbent will fabricate and test electrical and electronic assemblies for fuze designs, test sets, and test equipment for aircraft flight tests and other fuze evaluation. Knowledge: of electronic test equipment such as voltmeters, oscilloscopes, and function generators; of digital and/or analog circuits design. Ability: to perform a variety of tasks associated with electronics devices/systems. Status eligibles may apply. If filled at the DT-A, DT-1, or DT-2 level, promotion potential to DT-3, but not guaranteed.

No. 35-007, Engineering/Electronics Technician, DT-802/856-3, Code 35063 — Incumbent acts as HARM Aircraft/EW Integration Engineer, managing and coordinating the initial and block improvement integration of the AGM-88A HARM missile system with various Navy aircraft and their associated on-board avionics suites. Responsibilities include planning, scheduling, budgeting, systems engineering and coordination of technical government and contractor support for the integration efforts through system deployment in the fleet. Knowledge: tactical air launched weapons systems and aircraft; elements of systems engineering; electronic warfare applicable to anti-radiation missiles; tactical embedded computer systems. Abilities: to plan, budget, and organize effectively across organizational lines; to effectively communicate with governmental and contractor organizations.

No. 35-007, Engineering/Electronics Technician, DT-802/856-3, Code 35063 — Incumbent acts as HARM Aircraft/EW Integration Engineer, managing and coordinating the initial and block improvement integration of the AGM-88A HARM missile system with various Navy aircraft and their associated on-board avionics suites. Responsibilities include planning, scheduling, budgeting, systems engineering and coordination of technical government and contractor support for the integration efforts through system deployment in the fleet. Knowledge: tactical air launched weapons systems and aircraft; elements of systems engineering; electronic warfare applicable to anti-radiation missiles; tactical embedded computer systems. Abilities: to plan, budget, and organize effectively across organizational lines; to effectively communicate with governmental and contractor organizations.

No. 35-008, Program Analyst, DA-345-1, Code 35503 — Incumbent will be a program analyst for the development programs within the Program Office. Evaluates cost, schedule, and performance data for compliance with the program objectives. Knowledge: current NWC financial system; cost accounting operations and procedures; NWC administrative policies, procedures, and regulations. Abilities: to organize and plan programs; to gather and analyze financial data; to interface with employees at all levels both internal and external to the Center. Promotion potential: DA-3.

No. 35-070, Supervisory Interdisciplinary (Computer Scientist/Specialist, Electronics Engineer, Physicist, Mathematician), DP-1550/334/855/1310/1520-3, Code 3554 — Serves as head, Computing Section, Instrumentation Engineering Branch. Responsibilities include analyzing and defining EWTES real-time instrumentation, simulation, and administrative computing requirements. Operates, maintains, and enhances existing computing systems, software and documentation. Knowledge: computer systems hardware and software, operations, and maintenance procedures; ADP contract acquisition and administration policy and procedures. Abilities: to technically direct and lead a multi-disciplined group of S&Es and technicians; to communicate orally and in writing; to manage a computing facility. Willingness to support EEO objectives. Previous applicants need not reapply.

No. 36-104, Editorial Assistant, GS-1087-5/6, Code 3656 — Incumbent will prepare, edit, maintain and revise specifications, standards and related documents used in the procurement of weapons systems developed by NWC. Elements: Knowledge: of basic military documentation format; of proper grammar, punctuation, spelling and related editorial processes. Ability: to use CPT word processing equipment proficiently. Multiple vacancies. Promotion potential GS-6.

No. 36-105, Technical Information Specialist, DA-1412-1, Code 36083 — Incumbent provides professional support for the acquisition of library materials and the cataloging of books and reports. Elements: Ability: to communicate effectively in writing; to communicate orally; to perform manual and online research. Knowledge: of the Technical Library's processes and procedures; of the Library of Congress cataloging rules, MARC formats and RLIN cataloging procedures; of acquisition sources, methods, and NWC procurement guidelines. Promotion potential to DA-2.

No. 39-135, Computing Engineering Technician, DT-802-1/2, Code 3952 — This position is located in the RF Sensors Branch, RF Division, Weapons Department. Incumbent will assist in the acquisition, processing, assessment, and analysis of data relating to target signatures. Incumbent sets up, tests, and operates a portable radar in field tests. Incumbent maintains, performs minor repairs, and operates Sperry 620 and V77 computer systems and peripheral devices including a spectrum analyzer. Output data is assessed to determine adjustments to computer program to enhance desired details of data. Minor to moderate program changes are made and documented. Job Elements: Knowledge: of routine maintenance and operation of computer systems and peripheral devices, control language uses and functions, and Fortran computer language. Abilities: to work effectively with a variety of people, including sponsors. Promotion potential DT-3.

No. 623-001, Multidisciplinary Technician, Engineering Technician, Electronics Technician, Photographer, DT-802/856/1060-2/3, Code 62311 — This position is an Optical Instrumentation Technician in the Tracking Section of the Electro-Optical Branch, Instrumentation Division, Range

Department. The incumbent operates, maintains and provides limited design and development of highly specialized optical and electronic devices, including laser equipment, to gather test data for NAVWPNCEN Ranges; performs work using specialized optical, video, film and tracking equipment and improvises new methods and techniques for using such equipment. Assists in planning and conducting field tests. Typical equipment used within the branch area, but not restricted to: various tracking instruments, such as Cine Sextants, Cine Theodolites, Contraves, Askania (MCMs), M-45s, medium and high speed cameras, specialized shuttered video cameras, recorders and other related equipment. **Skill:** in operating photo-optical/electro-optical equipment. **Ability:** to perform as a member of a technical team. **Knowledge:** of field instrumentation technology; and of how photo-optical and electro-optical systems are used for gathering field test data.

No. 64-006, Electronics Technician, DT-2/3, Code 64242 — This position is located in the Engineering Support Section, Telemetry Systems Branch, Telemetry Division of the Aerosystems Department. Incumbent will be responsible for fabrication and testing of airborne telemetry systems. Support will involve fabrication to WS6536 and documentation of packages, as well as developing test methods required to validate the package. Test support will involve environmental testing, system calibration and integration tests, and flight test support. Strong system testing background with some fabrication work is desired. **Knowledge:** of airborne telemetry systems. **Abilities:** to fabricate and test airborne telemetry systems; to document test packages. **Skill:** in oral and written communications. Promotion potential to DT-3, but not guaranteed.

Secretarial opportunities

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

Applicants will be rated against 4 or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

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

No. 32-195, Secretary (Typing), GS-318-5, Code 3273 — Provides secretarial support to the Systems Technology Branch. Promotion potential to GS-5.

No. 36-106, Secretary (Typing), GS-318-

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. 14-001R, Interdisciplinary (Electronics/Electrical Engineer, Physicist), DP-855/850/1310-2/3, Code 1422 — Prime function of this position as a Network Project Engineer will be to analyze user requirements, plan, design, specify and integrate baseband and broadband Local Area Networks (LANs) as part of the Integrated Communications System. The IEEE 802 series protocols will be used. Incumbent will also analyze technology trends for LAN systems as it relates to existing and planned corporate NWC networks. Extensive training will be provided for specialized network design skills. To apply, submit an updated SF-171 to Gordon Doyle (Code 1422).

No. 14-118R, Computer Specialist, Computer Systems Analyst, DP-334-3, Code 1413 — Incumbent will provide systems programming support to DMS-1100 and ANS (American National Standard)-COBOL Center and contractor users. Incumbent will support Code 143 as required concerning OS-1100/ANS-COBOL and OS-

1100/DMS-1100/TIP-1100 DBA system functions. Systems programming support functions include user consultation (including data base design assistance), program trouble-shooting, identifying and reporting software "bugs" to the appropriate vendor, obtaining and/or conducting user education classes, and ensuring that up-to-date documentation is available to the user through the Central Computing Facility library. To apply send an updated SF-171 to Don French (Code 1413). Previous applicants need not reapply.

No. 32-189, Interdisciplinary Mechanical/General Engineer, DP-830/801-3, Code 3268 (2 vacancies) — Incumbents will perform as program manager or project/development engineer for new or improved weapon systems. Incumbent will be responsible for conducting analyses, mechanical design, fabrication and assembly coordination, environmental/safety and performance testing, data acquisition and reporting of the new or improved systems to demonstrate feasibility and/or qualification thereof. The tasks associated with the position will be in the area of conventional ordnance covering one or more of the following technologies: Improved MK80 Series Bombs, In-Service Weapon Systems Cookoff Improvement, Advanced Penetrator Warhead and Inertially Aided Munitions. Please send current SF-171 to R. J. DeMarco, Code 3268, NWC ext. 2188. Promotion potential to DP-3.

No. 35-001R, Electronics Engineer, DP-855-1/2/3, Code 3554 (Two vacancies) — Position is in the communications section of the Instrumentation Engineering Branch. Incumbent is a communication systems engineer covering the areas of audio, video, digital and fiber optic communications systems. These systems are employed in range communications at EWTES to transfer information between radar systems, air controllers, and computer systems. To apply send an updated SF-171 to Gene Anderson, Code 3554, NWC ext. 3571/241.

No. 35-007R, Interdisciplinary (Aerospace/General/Electronics Engineer), DP-861/801/855-2/3, Code 35063 — Incumbent acts as HARM Aircraft/EW Integration Engineer, managing and coordinating the initial and block improvement integration of the AGM-88A HARM missile system with various Navy aircraft and their associated on-board avionics suites. Responsibilities include planning, scheduling, budgeting, systems engineering and coordination of technical government and contractor support for the integration efforts through system deployment in the fleet. To apply, send an updated SF-171 to Mr. Pete Chmelir (Code 35063).

No. 35-009R, General/Electronics Engineer, DP-801/830-2/3, Code 35062 — Incumbent supports the technical management of the AGM-88A High Speed Anti-Radiation (HARM) Testing and Evaluation. Efforts include detailed planning and scheduling of HARM flight testing to meet requirements of HARM TEMP and DCP. Position requires the incumbent to plan and conduct special tests (including fleet training), procure long lead items, and provide direction to design targets required to support HARM flight testing. Incumbent must also support the Navy, Air Force, and contractor in planning and conduction of HARM testing. This includes providing test ranges with overall test requirements

target scenarios and monitoring to assure that test will meet firing schedules. Position also requires interfacing with contractors and program sponsor as well as various diverse organizations, both on- and off-Center. To apply for this position send an updated SF-171 to D. Gahn (Code 35062), phone 2951 ext. 341.

No. 35-010R, Interdisciplinary (General/Mechanical/Electronics/Aerospace/Industrial Engineer, Physicist), DP-801/830/855/861/896/1310-2/3, Code 3506 — Incumbent will be responsible for management of the HARM test section development and production efforts on-Center, interfacing with other government facilities and contractors as necessary. As a member of a major project technical management office the incumbent will prepare plans, proposals, budgets, reports and presentations as required as well as direct and coordinate the efforts of others across organizational lines. To apply for this position submit a current SF-171 to M. Schmitt (Code 3506A).

No. 35-011R, Interdisciplinary (Electronics/Aerospace/Mechanical/General Engineer, Physicist), DP-855/861/830/1310-2/3, Code 35063 (Two vacancies) — Incumbent acts as HARM Aircraft/EW Integration Engineer, managing and coordinating the initial and block improvement integration of the AGM-88A HARM missile system with various Navy aircraft and their associated on-board avionics suites. Responsibilities include planning, scheduling, budgeting, systems engineering and coordination of technical government and contractor support for the integration efforts through system deployment in the fleet. To apply, send an updated SF-171 to Mr. Pete Chmelir (Code 35063).

No. 36-103, Interdisciplinary Physicist, General/Mechanical/Electronics/Industrial/Chemical Engineer, Mathematician, DP-1310/801/830/855/896/893/1520-2/3, Code 3687 — System Safety Engineers to provide support to all major Weapons Systems (Sidewinder PIP, Penguin, Skipper, etc.) in Development/Production Positions requiring interface with all facets of weapons systems development, from design through test, including manageable travel. Will be required to identify, prioritize, evaluate, track, and make recommendations for the elimination and/or control of hazards. A thorough knowledge of engineering fundamentals is required and will be utilized. Incumbent should be able to plan, schedule, coordinate and evaluate long-term tasks, to communicate effectively both orally and in writing. Incumbent must work closely and effectively with military, government and industrial personnel. Multiple vacancies. To apply, submit current SF-171 to Ruth Inman, Code 36809.

No. 64-007, Electronics Engineer, DP-855-2/3, Code 64231 — This position is located in the Systems Engineering Section, Telemetry Technology Branch, Telemetry Division of the Aerosystems Department. Incumbent will perform engineering design, development, and specification of various airborne instrumentation (digital and analog) systems, equipment, and components for electronic measurements, timing, recording, control and communication necessary to meet the data and operation test requirements of various missile programs. Please forward application to Randy Gramble, Code 6423, ext. 3744.

Soldering Class

A 40-hour high-reliability soldering course will be held from February 10 through 14 from 7:30 a.m. to 4:30 p.m. in Building 00459, Dorm 10. This course is for government personnel needing certification to WS-6536.

The requirements for the course are (1) previous soldering experience and (2) a current eye examination.

To be scheduled into class, contact the Soldering Technology Branch, Code 36814, ext. 2720 or 2678.

Recent Additions

Code	Name	Title
084	Blanton, Glynn M.	Computer Systems Analy.
087	Truesdale, Linda A.	Data Transcriber
092	McLaury, Jane A.	Clerk-typist
1411	Myers, Lisa A.	Program Analyst
2522	Connelly, Joan E.	Clerk
258	Leonard, Shirlene G.	Clerk
31143	Rhinehart, Alex E.	Electronics Tech.
3143	Browne, Katherine A.	Clerk-typist
31431	Fratello, Robert J.	Electronics Engr.
3153	Kruse, Ross N.	Electronics Engr.
3194	Gordon, Scott E.	Mathematician
3241	Frankenberger, Charle	Aerospace Engr.
3275	Wadlow, Karen J.	Chemical Engr.
3512	Polley, Kathleen R.	Materials Expediting
35123	Borden, Debra L.	Mathematician
3525	Adams, Sheryl L.	Clerk-typist
3545	Samek, Minnie B.	Materials Expediting
3653	Sturgeon, Benny J.	Engrg. Tech.
3682	Larch, Richard C.	Qual. Assurance Spec.
3686	Frankenberger, Kim A.	Industrial Engr.
3687	Urbanski, Richard L.	Mechanical Engr.

Recent Separations

08623	Combs, Catherine A.	Accounting Tech. Supvy.
092	Crookshanks, Eunice D.	Secretary (Typing)
12	Milliken, John N. Jr.	Intelligence Operation
1202	Fouse, Jenny E.	Secretary (Typing)
142	Jones, Crystal L.	Clerk
21	Wirtz, Anne M.	Clerk-typist
26025	Maguire, Shirley C.	Lead Clerk-typist
3108	II, Carolyn V.	Clerk-typist
3272	Sippel, Nathan J.	Chemist
3274	Julander, Janna L.	Computer Clerk
33302	Johnson, Maurice H.	General Engr.
3521	Huckins, Robert L.	Electronics Tech.
3543	Hilliard, Paul J.	Electronics Tech.
36224	Clodt, Richard L.	Electronics Tech.
6122	Browne, James A.	Clerk-typist
92322	Herron, Billy L.	Mechanical Engrg. Tech.

Non-appropriated Funds Instrumentalities Arrivals Departures

Grady, Melissa
Chipp, Sheldon
Thompson, Teresita D.
Casey, Christopher
Barker, Alan
Nelson, John
White, Galen

Haaland, Kjrsten
Foucher, Michelle
Hagerman, Toni
Lenzen, Kristi B.
O'Brien, Mara
Washington-Hurd, Chester
Knutsen, Rhonda



Personnel Development Opportunity

COMMUNICATION AND NETWORKING SERIES

INTEGRATING VOICE AND DATA

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

Scope: Topics include how to improve your corporate bottom line with your communications network; the technologies for integrating voice and data; 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.

Deadline: Call Jeannie, ext. 2359, and follow up with Training Request.

LOCAL NETWORKS: LANs, PBXs, AND PCs

30 and 31 January, 0800-1600, Training Center. By: John Golob, Datapro Corp.

Prerequisite: Knowledge of data communication terms, concepts, and current practice.

Scope: Topics include network features and functions, transmission media, topologies, modulation techniques, access protocols, network architectures, private branch exchanges, microcomputer LAN products, large-scale LANs, and performance.

Deadline: Call Jeannie, ext. 2359, and follow up with Training Request.

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.

MIL-STD-1553 2-DAY SEMINAR

4 and 5 February, 0800-1600, Training Center. By: Leroy Earhart, founder and president of Test Systems, Inc.

Intended Audience: People who may be required to specify, design, or test MIL-STD-1553-compatible equipment, or who may perform integration of systems employing the standard.

Scope: MIL-STD-1553 is a multiplex data bus standard that defines a high-speed digital transmission system for the interchange of information between equipment internal to a vehicle.

OUTLINE

4 February

- I Introduction to Multiplexing & MIL-STD-1553
- II MIL-STD-1553: Definitions & Protocol
- III MIL-STD-1553: Terminal Operation
- IV MIL-STD-1553: Hardware Characteristics
- V Hardware Design

5 February

- VI System Design
- VII Philosophy of Testing & Phases of Testing
- VIII Test Requirements
- IX Test Equipment: Requirements & Overview

Deadline: 27 January.

PROGRAM FOR ADVANCED MANAGERS (PAM)

PHASE I, 26-28 March, Wednesday through Friday; PHASE II, 24 and 25 April, Thursday and Friday; 0800-1600; Training Center.

Intended Audience: Managers with at least 2 years experience in a management position and who have been exposed to management theories through formal courses. The course is particularly designed for second-level managers.

Scope: PAM is designed for experienced, performing managers who have acquired the basic management skills and need ways to improve their management performance and the performance of their work groups. PAM includes 5 training days divided into two phases. A 6-week interval is scheduled between phases to allow students to collect data and work on application assignments and prework for the second phase.

For more information contact Nancy Saxton, ext 2349.

Deadline: 29 January (submit name by telephone to Code 094, ext. 2349).

Second call for students

EFFECTIVE TECHNICAL COMMUNICATIONS

January 27 and 28, 0800-1600, Training Center. By: Roger Kirkham, president of a training and consulting firm. Mr. Kirkham is a licensed professional engineer and author of numerous articles. He has over 15 years experience in project management and project engineering with government and private industry. Mr. Kirkham teaches part-time at the University of Utah as Adjunct Assistant Professor of Industrial Engineering. He has also served on the governor's productivity task force for improving productivity in state government, state of Utah and is a member of the American Society for Training & Development, Senior Member of the Institute of Industrial Engineers and a member of Sigma Xi, the Scientific Research Society of North America.

Intended Audience: This class would be of particular value to S&E's as Roger Kirkham knows their problems in this area as an "insider" — he is a licensed engineer.

Scope: Many technical people have trouble communicating their ideas to fellow professional people and laymen. This course will help you "get the message across" so that you get the desired response. You will learn to focus on the main message, translate technical jargon into plain English, emphasize the important points when writing, use effective technical illustrations, write effective proposals, write to-the-point letters and memos, and give effective presentations.

Deadline: Please call Ophelia, by COB Friday, January 24, with any student nominations. Students may bring paperwork to first class session on Monday, January 27.