

Whiskey Flat Days starts today in Kernville, fun goes 'til Mon.

Whiskey Flat Days kicks into high gear this weekend.

Today until Monday the quiet town of Kernville will transform itself into the rough and ready mining camp of Whiskey Flat, which actually existed near Kernville in the 1800s.

Tonight at 6:30 p.m. an old fashioned Melodrama, "Deadwood Dick," will be performed. Tickets are \$4 for adults and \$2 for children under 12 years of age. The play will be held in the Kernville elementary school.

At 7:30 p.m. music from a local country western band will entertain visitors at a street dance on Main Street in Kernville.

Saturday will be a full day beginning with the Rebekahs' breakfast at the Oddfellows Hall from 7:30 until 11 a.m.

At 11 a.m. the Whiskey Flat "Miner's Madness" parade begins with trophies

Violinist to perform next Thursday night in Center theater

The fourth concert of the 1985 concert series presented by the Indian Wells Valley Concert Association will be a performance by Paul Neubauer, violinist, next Thursday, Feb. 21, at 7:30 p.m. in the Naval Weapons Center theater.

Neubauer will be accompanied by pianist Margo Garrett in a program that includes Haydn's "Divertimento;" Brahms' "Sonata in E-Flat Major;" and compositions by Fritz Kreisler, Enesco, Hindemith, Bloch, and Mano-Zucca.

Tickets may be purchased at the Music Man, Medical Arts Pharmacy, and the Entertainer Music Center. Prices are \$5 for general admission and \$3.50 for people under 21 years of age, senior citizens over 65 years of age, and active duty military enlisted personnel.

Single-event seating is limited with sales of tickets on a space-available basis.

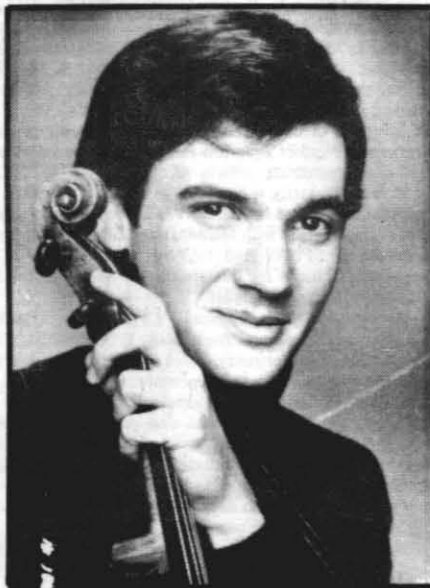
Also, a standby list will be kept for people willing to wait for seats released on the day of the concert. Inquiries will be accepted by phoning 375-5600.

Special event passes will be issued at the Naval Weapons Center main gate for concert-goers who do not have NWC stickers on their cars. Extra time should be allowed for this requirement.

Neubauer, born in Los Angeles, was recently appointed as principal violinist of the New York Philharmonic Orchestra, the youngest principal (at age 22) on record added to that prestigious and long-established group.

Neubauer has appeared with numerous orchestras, ensembles, and at festivals and recitals in the U.S. and England.

His competition credits include First Prize at the 1983 Mae M. Whitaker International Competition for Strings, Special Prize at the 1982 Naumberg Competition, First Prize in the 1982 D'Angelo Young Artist Competition, and First Prize in the 1980 Lionel Tertis International Competition for viola.



Paul Neubauer

awarded to participants at 12:30 p.m. at the Circle Park grandstand.

A rodeo is set for 1 p.m. Those interested in attending can phone John McNally at (619) 376-2343 for more information.

At 7 that evening an old-time fiddlers contest will be held at Kernville elementary school. Admission is \$3.50 for adults and \$2 for children under 12 years of age.

On Sunday more events are scheduled for visitors. Breakfast will again be served at 7 a.m., this time by the Kernville Lions Club at the Oddfellows Hall.

For late risers, the Kern River Valley Rotary Club and Kernville Art Association will be host for breakfast at 8 a.m. at the Kernville elementary school. Breakfast goers can also enjoy an art auction to be held at the same time.

The Whiskey Flat rodeo is set for 1 p.m. as well as a tour of the mining town of Keysville and other points of interest conducted by Ardis Walker. Interested persons can meet Walker across from the Kern Valley Golf Course.

At 5:30 p.m. a performance of "Deadwood Dick" will be given for Sunday visitors.

College offers short class on preparing for civil service tests

A short-term course entitled, "Civil Service Test Preparation," begins February 26 and ends May 21 at Cerro Coso Community College.

The 12-week course, taught by Sue Wilson, will meet on Tuesday afternoons from 11:30 a.m. until 1 p.m. in Room 126 at the college.

Instruction will review basic skills necessary for taking the civil service clerical test. Subjects that will be covered include a review of grammar, punctuation, capitalization, vocabulary, spelling, and arithmetic. Students will also gain experience in taking several types of employment tests.

Interested persons may enroll for this class, or any of the other short-term classes, by registering in the Office of Admissions and Records from Monday through Thursday from 10 a.m. to noon and from 3:30 to 7 p.m. up to and including the first day of class.

For more information about Cerro Coso's short-term classes, enrollment fees, and registration procedures, the college can be contacted by phoning 375-5001.

Freedom of Information Act topic of talk by Loretta King

Everyone interested in the Freedom of Information Act and its applications at NWC is invited to attend a luncheon to be held at 11:30 a.m. on Tuesday, Feb. 26, at the Commissioned Officers' Mess.

Loretta King, who has been FOIA Coordinator for NWC since 1978, will discuss the FOIA, its exemptions and requirements, and how it has been used to obtain information from the Center.

Reservations are required to ensure adequate seating. Menu choices for the

Vacation opportunities presented at Great Recreation Exhibition

The Recreational Services Department is sponsoring "The Great Recreation Exhibition" on Thursday, Feb. 28, from 5 to 7:30 p.m. in the ballroom of the Enlisted Mess.

The exhibit will cover all types of recreation opportunities for persons interested in finding something to do this spring or summer.

Every kind of outdoor activity will be represented including camps and campgrounds, mountain retreats, clubs, white water rafting, fly fishing and a host of other pastimes.

College or high school students seeking



A BIT OF HISTORY — Patrons of the Navy Exchange were recently surprised by NEX employees dressed in costume as Presidents Abraham Lincoln (Al Catton) and George Washington (Jerry Hopper). Joining them is Dee Cosgrove dressed as Betsy Ross. The trio were present to kick off the Presidents Day Sale set at the NEX through tomorrow. — Photo by PH2 Rick Moore

Country Sweetheart dance scheduled at Cerro Coso tonight

Tonight at Cerro Coso Community College the Associated Students of Cerro Coso and C.A.R.E. will co-sponsor a Country Sweetheart dance beginning at 8 p.m.

As part of the festivities a dance contest will be held. Judging for the contest begins at 7:30 p.m. with sign-ups at 7. Trophies will be presented to first, second, and third place winners.

Showdown, a local country-western group, will provide the music.

General admission is \$3 per person but ASCC cardholders will be charged \$2 per person.

luncheon are either the hot special for the day at \$3.50 or a chef salad at \$3.25 per person. Reservations may be made by telephoning either Bill Eichenberg at NWC ext. 2968 or Mickey Strang at NWC ext. 3354, and must be made by close of business on Feb. 22.

The meeting is jointly sponsored by the Society for Technical Communication and the American Society for Public Administration.

employment may find a job because many of the groups will be accepting applications. Job seekers would be smart to bring a resume and be prepared for a job interview.

More information can be obtained by phoning Kelly McCammon at NWC ext. 2010.

Postage goes up
The rise in cost for mailing a first class letter from 20 cents to 22 cents for the first ounce or fraction thereof was delayed until after Valentine's Day. It will not take effect until Sunday, Feb. 17.

MOVIES

(G) ALL AGES ADMITTED
(PG) PARENTS STRONGLY CAUTIONED
(R) RESTRICTED
(Under 17 requires accompanying Parent or Adult Guardian)

Regular starting time 7:00 p.m.

FRIDAY	"NATE AND HAYES" Starring Tommy Lee Jones and Michael O'Keefe (Adventure, rated PG, 108 min.)	FEBRUARY 15
SATURDAY	"NEVER SAY NEVER AGAIN" Starring Sean Connery and Klaus Maria Brandauer (Action/Adventure, rated PG, 134 min.)	FEBRUARY 16
SUNDAY	"AMERICANA" Starring David Carradine and Barbara Hershey (Drama, rated PG, 91 min.)	FEBRUARY 17
MONDAY	"KRULL" Starring Ken Marshall and Lysette Anthony (Fantasy/Adventure, rated PG, 121 min.)	FEBRUARY 20
WEDNESDAY	"SLAYGROUND" Starring Peter Coyote and Mel Smith (Drama, rated R, 89 min.)	FEBRUARY 22
FRIDAY	"GRANDVIEW USA" Starring Jamie Lee Curtis and C. Thomas Howell (Comedy, rated R, 98 min.)	FEBRUARY 22

Barbershop closed

The Center barbershop, located in Bennington Plaza, will be closed Saturday, Feb. 16, because of the holiday weekend, according to David Patten, the barbershop manager.

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EFFORTS REWARDED — Burrell Hays and Capt. K. A. Dickerson flank Daryl Moore and Elvy Hopkins, who hold the paperweights and citations they have just been presented as part of the Technical Director's Award. — Photo by PH2 Rick Moore

HARM contribution brings Technical Director's Award

Their outstanding contribution to the F/A-18 aircraft-HARM Integration Navy Technical Evaluation earned Elvy R. Hopkins and Daryl G. Moore the Technical Director's Award.

When Burrell Hays, NWC Technical Director, presented the awards, he said that the F/A-18-HARM integration was one of the most significant programs here in recent times, it was of the highest technical complexity and one of the best managed programs.

The task of the two men included the software and hardware interfacing of over

19 microprocessors and over 100,000 program words. The programmatic and political visibility of the F/A-18-HARM interface was of the very highest because it is the first smart weapon integrated into the Navy's newest strike fighter.

The NTE was completed on target for both cost and schedule — a remarkable accomplishment because the job had to be done right the first time. Hopkins and Moore are credited with being responsible for this achievement.

Because of their work, real time information

(Continued on Page 7)



NAVAL WEAPONS CENTER
CHINA LAKE
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Unique recovery system attempt proves successful

With use of a totally new concept in parachute development, an IR seeker-guidance section and telemetry section were recovered, virtually unscratched, from a surface-to-air missile firing at the Naval Weapons Center early this winter.

Dick Drake and Ken Lusk of the Aerosystems Department's Recovery Systems Instrumentation Branch designed the missile interface that allowed the recovery.

Drake, the electrical designer, said the recovery was a side benefit. The primary goal was to get full telemetry from the firing which they also accomplished.

The technique of separating the rocket motor from the telemetry and seeker-guidance section is now the basis for application for two patents Lusk and Drake are seeking.

"I don't think it's ever been done that way before," said Lusk, the mechanical designer of the recovery attempt.

"We created a new interface on the missile," added Drake, in explaining how the project was accomplished.

The two electrical technicians said in a normal application there is a drogue parachute that pulls the main parachute out of a housing.

In this instance, they needed a new way to get the main chute out quickly and

cleanly. The design consists of a main parachute in a bag, housed in the rocket motor section, but attached to the forward part of the missile that was to be recovered. When the missile sections separate, the bag deploys immediately.

The advantage, say Drake and Lusk, is that the drogue is out, slowing the section for recovery before the main parachute, released from the bag by a cutting device after a five-second delay, is out.

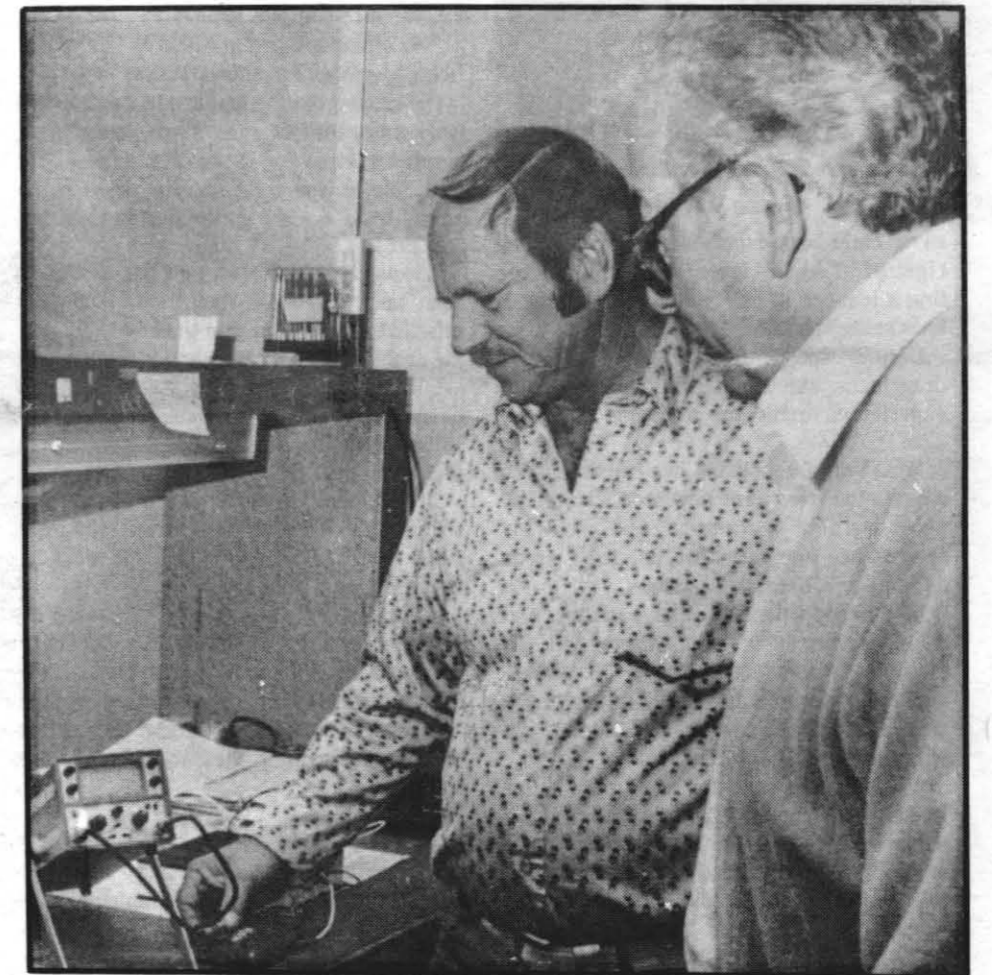
One problem facing the Recovery System Instrumentation Branch people was how to cleanly separate the missile sections and ensure that the rocket motor section would fall away quickly enough to allow the parachute bag to be fully deployed.

That's where the new interface came into play. Holding the missile together with two explosive bolts, Lusk and Drake were able to guarantee a clean break. The explosive bolts also triggered a pair of air brakes, built into the aft section of the missile, that ensured full and quick separation, pulling the parachute bag out of the housing.

Recovery of the hardware was of significant value to the Center in terms of research and development evaluation.

In terms of dollars and cents, Drake

(Continued on Page 2)



TELEMETRY SECTION — Dick Drake (left) and Ken Lusk look at data from the telemetry unit of a surface-to-air missile used to test a new recovery system they developed to recover the hardware intact for future use. — Photo by PH2 Rick Moore

Navy will follow state law on drinking age

Underage military personnel at NWC will soon be unable to buy alcoholic beverages at any of the clubs on the Center or from the package store, under a decision reached by William H. Taft IV, Deputy Defense Secretary.

With the exception of three, tightly controlled circumstances, Taft ruled military installations will have to follow state law on drinking age once the final policy statement is issued later this month.

In taking the action, Taft rejected a request from John F. Lehman, Secretary of the Navy, to continue the sale of 3.2 percent alcoholic-content beer to underage sailors and Marines.

Last August a policy memorandum by Taft said all services should follow state law on drinking ages, except at military installations where underage servicemembers could easily drive to a state with a lower drinking age requirement.

At that time Lehman objected, claiming it could create a caste system, drive servicemembers to use drugs and damage morale. And, he claimed, based on a report, that sailors couldn't drink enough 3.2 beer to become intoxicated.

The memorandum was suspended when Taft appointed a committee chaired by Air Force Lt. Gen. Edgar A. Chavarrie, Deputy Secretary for Military Personnel and

Force Management, in an effort to reach a compromise.

The committee and a special working group could not resolve the Navy's desire to sell 3.2 beer and asked Taft to make the final decision.

Taft's ruling is part of a federal campaign against drunk driving.

Once the policy statement is final, the only exceptions (stateside) will be at remote bases where personnel do not have cars with them, in areas where the base is within 50 miles of a state with a lower drinking age and during a small number of military celebrations approved by the secretary of the service.

The drinking age question has been discussed within DOD the past two years, ever since the 1983 President's Commission on Drunk Driving recommended a minimum drinking age of 21 nationwide.

Defense Secretary Caspar Weinberger said he supported the 21-year drinking age at that time.

Military installations, including NWC, will follow their current policies until Taft issues the final policy statement, expected sometime this month.

The new policy will not apply overseas.



New fishing licenses needed by anglers

Although the first copies of this year's sport fishing regulations have only now been shipped to license agents and Department of Fish and Game offices around the state, anglers are reminded that their licenses must be renewed now if they wish to fish.

All fishing licenses in California expire on Dec. 31 each year and must be renewed before anglers drop a line in the water.

Little League tryouts set starting Saturday

China Lake Little League's 1985 season is just around the corner. Tryouts for this year's teams are set on Center and at Inyokern School during the next three weekends.

Youngsters six through 12 years of age as of July 31 are eligible if they live in China Lake, Inyokern or north of Drummond Drive in Ridgecrest or north of Ridgecrest Blvd. between Richmond Road and China Lake Blvd.

China Lake tryouts are set at Diamond 4, this Saturday, Feb. 23 and March 2. Six and seven year olds try out from noon to 1 p.m. while eight and nine year olds are set at 1:15 to 2:30 p.m. and ten and older players from 2:45 to 4 p.m.

At Inyokern, six and seven year olds try out at 9 a.m. with eight and nine year olds at 9:45 a.m. and the rest at 10:30 a.m.

The tryouts are for skills assessment only. All children who sign up will play on a team.

There are no required fees. However, a donation of \$25 per child or \$35 per family is requested.

For more information of the China Lake 1985 Little League season call M. Moore at 446-2914.



LITTLE LEAGUE — Tryouts and signups for the 1985 China Lake Little League season start this Saturday at Diamond 4 and at Inyokern School. Brian Brawnd (left) Lance Moore and Brian Mather (right) are ready for the new season to begin later this spring.



ACCUSCORE — Bowlers at Hall Memorial Lanes are making good use of a new, computerized scoring system and other improvements to the bowling center

made in the past month. Accuscore by AMF will give bowlers more information and a printed scorecard at the end of each game. — Photo by PH2 Rick Moore

Hall Memorial Lanes get a new look

Hall Memorial Lanes bowling center has a new look and new equipment for bowlers in the area.

Harry Day, manager, notes they reopened Monday morning with the latest in automatic scoring, the AMF Accuscore system.

In addition, the lanes have undergone refurbishment to make this bowling experience better. Day said many of the equipment problems that have vexed bowlers in the past have been repaired.

But the best news is the new scoring system. Paul Backiewicz, Sports Division head for Recreational Services Department, said the new system makes scoring a snap for the bowler.

Baczkiwicz noted the central computer linked to the scoring tables stores handicaps and bowler's names and automatically prints out complete score cards.

Day added that the system, which features 25-inch color video monitors for each lane, can be adjusted for single bowlers, two, or up to five per lane. The screens show pinfalls, score, the bowlers' name and more, all in up to eight different colors.

These latest improvements have been five years in the making, said Day. He felt the bowlers would be very pleased to see the improvements made this year.

Accuscore is said, by AMF, to be a generation ahead of other automated scoring devices for bowling centers.

Center bowlers should be happy, noted Baczkiwicz, with this new equipment. He called it a major improvement at Hall Memorial Lanes.

The total project, including the central computer, new tiles, and the changes to the bar area cost \$165,755, said Baczkiwicz.

Only three teams remain unbeaten in loop play

Only three teams remain unbeaten in the second half of the NWC Adult Winter Basketball program. Each of the other nine teams left in the program have suffered at least one loss. Two teams are still seeking their first wins in the second half of the season.

Misfits 58, Road Runners 48
Tim Bryant's 22 points paced the Misfits past the Road Runners to keep them among the three undefeated teams, 58-48. Roosevelt added 19 points and Lucas notched 14 to win.

Trenta's 19 points was high for the Road Runners while Narem added 12 markers.

Athletes 43, Kondors 32
The K.Z. Kondors suffered their first loss of the second half at the hands of the Athletes in Traction, 43-32. Allen with a 14-point game and Higgins with 12 points led the winners.

For the Kondors, Homer notched 18 points in the loss. They dropped a 2-1 mark.

VFD 54, Clinic 46
Behind 18 points from Ellingsworth and 12 markers from Espiritu, the Volunteer Fire Department squad stopped the Clinic cagers 54-46. Cohen added 12 points for the winners.

Singleton paced the winless Clinic with 17 points while Joe Forrester chipped in with an even dozen tallies in the loss.

Meanies 60, Puccis 41
The Meanies were easy winners against

Puccis, 60-41. The losing team notched only 10 points in the first half. Clark had 12 points in the win while Christiansen and Chapman added 11 each.

Puccis got a 20-point game from Leahy and 10 points from Switzer as they remained winless in the second half.

Kondors 55, Road Runners 46
The K.Z. Kondors broke a halftime tie when they outscored the Road Runners 28-18 in the second half of the game for a 55-46 win.

Horner paced the victors with 25 points while Burnhardt added a 17-point effort. Narem's 11 points led the Road Runners and Trenta chipped in 10 tallies in the loss.

Standings			
National Division			
Team	Won	Lost	
Golden Corral	3	0	
VFD	3	1	
NWC	1	2	
Clinic	0	3	
Central Division			
Meanies	3	0	
Reeds Raiders	2	1	
Pioneer Motel	1	2	
Puccis	0	3	
American Division			
Athletes	3	0	
KZ Kondors	3	1	
Misfits	1	2	
Road Runners	1	3	

The Skipper sez



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.

QUESTION

Civilian Employee — I'm a supervisor in Michelson Lab. There is a situation developing here of long-range morale problems. It creates a great deal of frustration. The copy machines are in terrible condition. Many of them are broken, there are not enough of them, and there's quite a line, which makes getting something copied a difficult thing to do. The morale impact affects our secretaries which, bless their hearts, are overworked and underpaid, so we wind up running around the building trying to find an available copy machine so we can get stub action through, memos approved, or whatever in shuffling the papers that we do.

Look, I understand there's an administrative strait-jacket with regards to copy machines, specifically NPPSO and TID. I don't know how long they've been in the driver's seat regarding the care and feeding of these machines but I think they've been there long enough and have failed. The situation hasn't got any better, in fact, if you look at the Oct. 30 comment sheet, which is being distributed on the maintenance problems, things are simply getting worse. Some of the areas that TID is going to address themselves to are going to receive band-aids.

Look, things have changed, copy machines are now simple. They're reasonably inexpensive and they're small. The good, old days, when we had to structure an empire and a bureaucracy around purchasing and maintaining copy machines, have been left behind with the emerging technology of the small, efficient, reliable, copy machine that may be able to serve small organizational units at the branch level.

Here is my request: the copy bureaucracy here on Center should allow an experiment whereby copy machines may be purchased by the branch level. We would research what copy machines would fill our needs and look at independent maintenance contracts.

I shouldn't be forbidden from purchasing a piece of equipment that is far less complicated than some of the computers we buy and certainly less expensive, simply because there's an existent bureaucracy on Center that has some jurisdictional turf to protect.

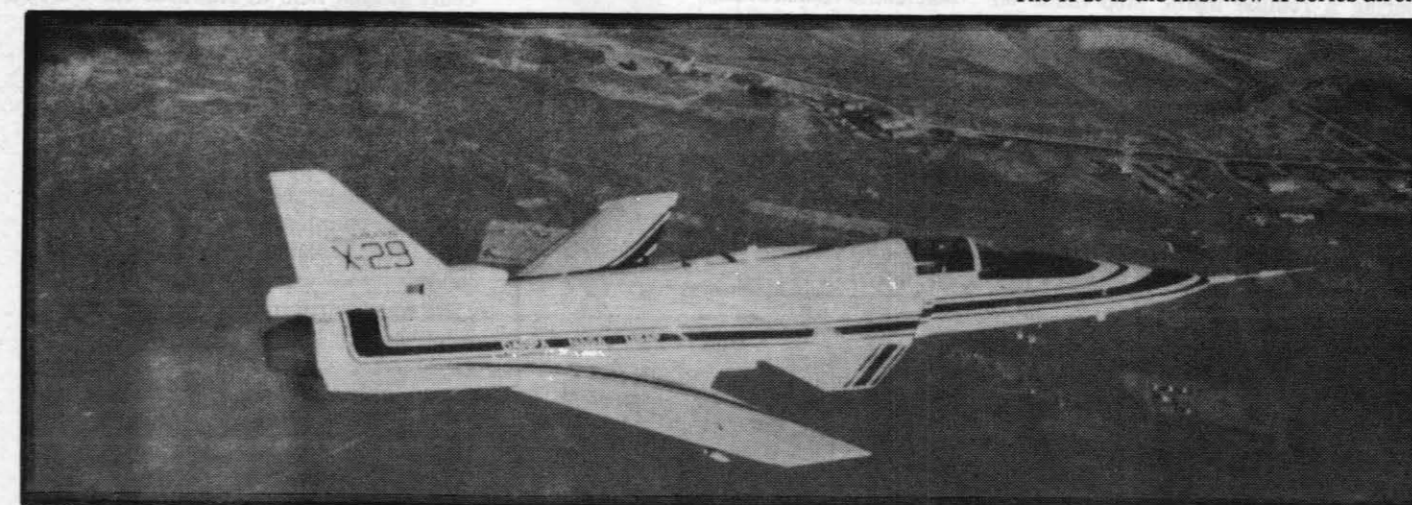
ANSWER

Many events have adversely affected NWC's copier program over the years but few have caused the turmoil experienced during the last six months. This situation is attributable to four major factors: (1) Xerox Corporation lost several of its experienced service technicians; (2) when Michelson Laboratory closed down for several weeks, copiers located outside the laboratory compound were overtaxed, causing major breakdowns and the service technicians could not keep up with the service calls; (3) the machines in the lab that sat idle in a high humidity environment did not work properly when power was restored; (4) parts for certain copiers were suddenly unavailable. All of this added up to a tremendous amount of frustration experienced by almost every employee at NWC. The Center is currently working with NPPSO, San Diego, and the Xerox Corporation to help rectify the situation.

Past experience has shown us that it is advantageous to the Center to lease copy machines considering the rapid changes in technology. With work groups changing and moving frequently, the Center must have the ability to cancel, upgrade, or change features in machines without the added burden of disposing of owned machines that have not "paid for themselves." While tabletop machines are less expensive than full-sized copiers, the cheapest tabletop machines begin at about \$2,000 and there are relatively few places where this type of machine can handle the required work load.

I agree that the process of approving, ordering, and placing copiers is cumbersome. The procurement system will only accommodate certain vendors that are listed on approved GSA contracts and every request for a copier must be justified to the Western Division Reprographics Manager of NPPSO, San Diego. In addition we must face the reality that we do not live in a metropolitan area where service is readily available — not all vendors are willing to supply dedicated service based in the Ridgecrest/China Lake area. By knowing what requirements must be met for NPPSO approval, the Copier Program Coordinator has had excellent results in obtaining approval for copy machines.

I would like to emphasize that the Copier Program Coordinator is not a watchdog operation to keep NWC from obtaining copiers. It is done as a service to the Center and as an advocate employed by NWC for NWC, to ensure that we are getting the best machines possible within the framework of the guidelines being imposed. NPPSO requires local coordination of copiers. It is not a matter of protecting one's turf. Thanks for the chance to explain.



ENGINEER'S BANQUET — The X-29 forward swept wing aircraft will be the topic of a talk given by Walter J. Sefic, program manager at NASA Ames Dreyden Flight Research Facility at the annual hIDEA Engineer's Week banquet next Friday at Le Parc. Tickets are now on sale. — NASA Photo



MILESTONE ATTAINED — Bryant C. Ferguson receives a 40-year length of service award from Capt. K. A. Dickerson, NWC Commander. Ferguson's four decades of federal service began in 1943 when he enlisted in the Marine Corps. — Photo by PH2 Rick Moore

Mechanical engineer completes 4 decades of federal service

Bryant C. Ferguson, a mechanical engineer in the Ordnance Systems Department, received a 40-year Federal length-of-service award from Capt. K. A. Dickerson last week in a ceremony held in the NWC Commanders' office.

Ferguson's service with the government began in July 1943 when he enlisted in the Marine Corps. His duties took him overseas as an aviation armorer, servicing a variety of aircraft machine guns.

After his honorable discharge in June 1946, he briefly worked at chairman on a survey crew for the General Land Office in Reno until he entered the University of Nevada at Reno.

Ferguson reentered the Marine Corps in 1947 and was on active duty until 1957. He again served overseas, this time in Korea during the Korean conflict.

In 1958, he returned to Federal civilian

service as an engineering aid in the Albuquerque Engineering Division in Albuquerque, and stayed there until he went to work as a student trainee (mechanical engineer) at the White Sands Missile Range, New Mexico.

After being promoted to mechanical engineer following a 47-month training period, he remained at White Sands until coming to what was the Naval Ordnance Test Station (now NWC) in 1962.

During this time on board at China Lake, Ferguson worked in the Test Department, the Aviation Ordnance Department and the Propulsion Department — which subsequently became the Ordnance Systems Department.

He is the recipient of several letters of appreciation, a Special Act Award, and a Sustained Superior Service Award.

X-29 aircraft topic of talk at Engineers' Week dinner Feb. 22

Walter J. Sefic, project manager for the X-29 program at the NASA Ames Dreyden Flight Research Facility will be the featured speaker at the High Desert Engineering Association's annual Engineer's Week banquet next Friday.

Set for Le Parc Restaurant in Heritage Village, the Feb. 22 banquet will feature Sefic speaking about the X-29 and the X-series research aircraft that have investigated and explored many of the unknowns of flight.

The Experimental Research Aircraft Program began in 1946 with the flight of the rocket-powered X-1.

In 1947, Air Force Captain Charles Yeager dispelled any doubts that a manned aircraft could ever be flown through the sonic barrier by piloting the X-1 beyond the speed of sound.

The X-29 is the first new X-series aircraft

in more than a decade. The X-29 is being used to explore the forward swept wing's combination of speed, agility, slow flying qualities and a broad range of advanced aircraft and system technologies.

As project manager of the X-29A forward Swept Wing Program, Sefic is responsible for providing the overall technical direction, planning and organizing the combined efforts of project personnel in the X-29A project.

Sefic joined NASA Ames Dryden in 1961 as a flight test research engineer. He holds a bachelors degree in Aeronautical Engineering from St. Louis University, a masters in Aeronautical Engineering from USC and masters in systems management from USC.

The sponsoring organization hIDEA is comprised of engineering societies from the high desert area including: American Institute of Aeronautics and Astronautics, American Society of Civil Engineers, National Society of Professional Engineers, Institute of Electrical and Electronics Engineers, American Society of Mechanical Engineers, American Society for Quality Control and American Institute of Chemical Engineers.

The social hour begins at 6 p.m. at Le Parc with the banquet at 7 p.m. and the program is set for 8 p.m.

The menu offers a choice of entrees: red snapper or cod in cream sauce or chicken grand-mere. Banquet tickets are \$10 in advance or \$12 at the door and may be purchased from hIDEA members. They may also be purchased from Bob Estell at NWC ext. 3423, Bud Stiehl at NWC ext. 1761 or Tony Miller at 446-7671.

The banquet and program are open to the public as are all hIDEA meetings.

