



Pianist to play Sunday

Gayle McComb-Blankenburg will be the soloist for Mozart's Concerto No. 20 in D Minor at the Desert Community Orchestra's concert Sunday, Nov. 23 at 3 p.m. at the Center theater.

A member of the piano faculty at Scripps College in Claremont, she has performed extensively throughout the United States. She is also well known in Ridgecrest for prior performances as well as for her work with the Desert Music Teachers' Association.

Conductor Ron Burdick will also lead in Desert Community Orchestra in performing two other compositions: Franz Joseph Haydn's "Surprise" Symphony and the Overture to "La Gazza Ladra" by Giacomo Rossini.

Season tickets for all four concerts in the 1986-87 series are available from the DCO Association, P.O. Box 1988, Ridgecrest, CA 93555. Season tickets are \$20 for an individual, \$35 for a family ticket and \$10 for senior citizens, students and enlisted military.

Single concert tickets costing \$6 and \$4, respectively, will be on sale at the door.

Tree cutters out of luck

Those who like to cut their own Christmas trees are going to have to use a Christmas tree farm this year, according to Jim Crates, Supervisor of the Sequoia National Forest.

Personal Christmas tree cutting is prohibited in this area because of damage to plantations and the cost of administrations.

In cooperation with the Sheriff's Office, Forest Service personnel patrol the national forest to discourage illegal tree cutting. Penalties for cutting or transporting a tree cut in the forest are fines of up to \$500 and/or 6 months in jail.

People cutting a tree on private land within the national forest boundary must have written permission of the landowner and must have the permit with them when they transport the tree. Those who purchase and transport a precut tree from a mountain-area business should also carry their receipts.

COM has date open for party

Because of a recent party cancellation, the Commissioned Officers' Mess has an opening for the evening of Saturday, Dec. 6. Considering that the three messes are ordinarily booked for each Friday and Saturday evening in December, this means that some organization has another opportunity to book a party.

The number to call to get further information is NWC ext. 3106.



	Max	Min	Peak Gust	Precip
Fri.	74	34	20 knots	
Sat.	74	40	12 knots	
Sun.	75	40	10 knots	
Mon.	70	43	13 knots	
Tues.	66	49	14 knots	0.5 in.
Wed.	71	43	6 knots	
Thurs.	74	39	7 knots	

All measurements are made at Armitage Airfield.



Due to the Thanksgiving Holiday, the Chief Petty Officers' Mess, Enlisted Mess, NWC Gym, Craft/Hobby Center, Auto Hobby Center, Youth Center and the Children's Centers will be closed Thursday, Nov. 27. The bowling alley and the golf course will be open during their normal hours that day.

Friday, the day after Thanksgiving, will see the return of normal working hours for everyone except the Enlisted Mess, which will not be serving breakfast, but will be open for lunch and dinner.

+++

Tonight's dinner at the Chief Petty Officers' Mess is prime rib. Dinner is served from 5:30 to 9 p.m.

+++

From 1 to 6:30 p.m. on Thursday, the Commissioned Officers' Mess is offering another Thanksgiving Buffet. For only \$7.95 per adult and \$4.95 per child under 12 (children under 5 eat for free), diners will enjoy a great holiday meal of turkey, ham, dressing, gravy, sweet potatoes, mashed potatoes, a variety of vegetables, cranberry sauce, salads and a wide range of deserts. Reservations are required and must be made at the COM by Nov. 24. For more information, or to make reservations, simply call the COM at 446-2549.

+++

Disco to "Disco Werks" this Wednesday at the Enlisted Mess from 8 until 11:30 p.m. For only \$1, authorized patrons and guests can dance to their favorite tunes.

+++

Vietnam Veterans of America Chapter 283 will meet tonight at 7 o'clock at the Senior Citizens Center, 125 S. Warner in Ridgecrest. All veterans of the Vietnam era, whether or not they ever served overseas, are invited to attend.

+++

Another teen jazz class will be held from Dec. 1 through 17 for anyone aged 12 to 17. The class meets every Monday and Wednesday from 3:30 to 4:30 p.m. at the NWC gym annex. Instructor for the course is Pam Norris, former owner of the Coastside School of Dance, who has produced and choreographed video and stage productions.

Registration is being accepted at the Information, Ticket and Tour Office. Cost of the class is \$20 for active duty military dependents, \$21 for dependents of DOD civilian personnel and \$22 for dependents of private citizens.

+++

Horse lovers can either participate in or watch a horse show at the base stables at the Marine Corps Logistics Base in Barstow on Sunday. Registration for participants begins at 7 a.m., with showing at halter beginning at 8 and lead line for ages 6 and under beginning at 8:45.

Bareback equitation and English classes take up the morning from 9 a.m. until Western classes being at 12:30 p.m. Most events will have three age groups: 12 and under, 13 through 17 and 18 and over. Some events are open. Entry fee is \$3 per class, with no charge for spectators. Refreshments are available.

To reach the stables, take I-15 north to Ghost Town Road exit and turn right at Yermo Annex Stable sign between I-15 and I-40.

Further information can be obtained by telephoning (619) 577-7302.

+++

Each weekend from now until June 14 visitors will be able to take part in a 90-minute guided tour of Soda Springs (located nine miles south of Baker, just off I-15) conducted by the Bureau of Land Management at 10 a.m., noon and 2 p.m. each Saturday and Sunday.

Soda Springs has been the site of an Army outpost, a wagon train rest station, a railroad stop, a mining center, a spiritual and health resort and now serves as a center for desert studies under the sponsorship of a consortium of California state universities.

Cost of the tours is \$2 for each adult. No food or drink is available on the site and all tours are conducted on foot.

Dec. 6 trip set to Disneyland

To allow personnel to go to Disneyland without the driving hassle, the Recreational Services' personnel will be taking two vans to the Magic Kingdom on Dec. 6.

Vans will be departing from the Information, Ticket and Tour (ITT) Office at 6 a.m. and will return about midnight. All military and DOD personnel, as well as their dependents, are invited to come, although children under 12 must be accompanied by an adult.

Cost is only \$33 per adults and \$28 per child, which includes admission to the park and such attractions as the 3-D motion picture "Captain EO" with Michael Jackson; and the Special Magical Christmas Parade.

For more information, call the ITT Office at NWC ext. 2010, Monday through Friday from 9 a.m. to 5 p.m.

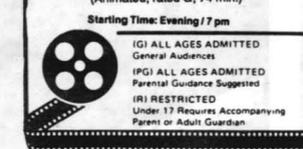
Movies

FRI., SAT., MON. NOV. 21, 22, 24
"RUTHLESS PEOPLE"
 Starring
 Danny DeVito and Bette Midler
 (Comedy, rated R, 95 min.)

SUNDAY NOV. 23
"WILD SWANS"
 (Animated, rated G, 81 min.)

WEDNESDAY NOV. 26
"JAKE SPEED"
 Starring
 Wayne Crawford and Dennis Christopher
 (Action-Adventure, rated PG, 105 min.)

FRIDAY NOV. 28
"THE GREAT MOUSE DETECTIVE"
 (Animated, rated G, 74 min.)



★ U.S. Government Printing Office: 1986 — No. 40032

FROM: _____ PLACE STAMP HERE

TO: _____

Three unique MIPI proposals gain acceptance from Navy

Three Model Installation Program Initiatives submitted by Contract Division employees of NWC's Supply Department have been approved and are being implemented to save time and paperwork in purchase of equipment for project work on Center.

Jeff Meriam, associate division head for the Contracts Division, and Blaine Manson, who heads the Technical Support Office for the division, note the three approved MIPIs cut weeks, if not months, off the time it takes to acquire some very specialized hardware for project work at NWC.

Approval came first for a MIPI seeking authority to purchase metal working machines such as lathes and machine tools without going through the Naval Regional Contracts Center in Washington, D.C. for items costing more than \$10,000.

Manson said the average value of such machines is about \$100,000 each. The MIPI allows the contracts section for the department needing the machinery to make the purchase directly. This cuts an

estimated three months off the lead time necessary to acquire such equipment, commented Meriam.

This also keeps the entire procedure in house without generating any new paperwork requirements.

Next came approval to retain purchasing of a wide range of hardware, electronic and electrical components in house rather than having to go through the Defense Logistics Agency for items valued between \$2,500 and \$25,000.

The MIPI reroutes these purchases to the Supply Department's Small Purchases Branch. This is expected to bring a savings of two or three months for codes seeking standard, off-the-shelf items for project use.

Approval of a third MIPI was recently received, noted Meriam. This one will allow the Naval Weapons Center to avoid going to mandatory General Services Administration (GSA) sources for many things that are commercially available, but not on existing GSA schedules.

Meriam and Manson noted these are



broad classes of GSA-protected types of equipment. Frequently items needed for project support fall under a broad class, but there is no schedule for that particular item. This happens because both GSA and the contractor recognize there will be little demand for the items and it isn't worth putting on the schedules.

In such case the Center will be allowed to approve the justification for going outside the GSA schedule, but won't have to follow the former procedure of getting a formal waiver from GSA before making the purchase. Rather, the items, largely test equipment, would be purchased locally

with an estimated savings of four to six weeks lead time.

This could impact more than a thousand purchases each year. It does not, noted Meriam, waive the need to document the reasons for not using the GSA schedules, but does allow NWC to make the determination, not GSA.

He also stressed this didn't cover all waivers, just for items used directly by projects on board the Center. Office furniture or supplies, for example, would still require a waiver approved by GSA.

Meriam and Manson characterized these (Continued on Page 3)



Cdr. Dyer makes long-distance award presentation here



LONG-DISTANCE AWARD — Cdr. Joe Dyer, Commanding Officer, NAVPRO, Melbourne, Australia, presents an incentive award check to Charles Overmier (center), a former NAVPRO employee, while Paul Homer, head, Electronic Warfare Department, looks on. — Photo by Steve Boster

Cdr. Joe Dyer, Commanding Officer at the Naval Plant Representative Office (NAVPRO) in Melbourne, Australia, may have established a record for long-distance incentive awards when he presented a check to Charles (Chuck) Overmier last month.

More than 8,000 miles from the NAVPRO offices, Cdr. Dyer was at China Lake on business when he had the opportunity to present the incentive award check to Overmier, formerly head of the Avionics Engineering Group at NAVPRO.

Overmier assumed duties of Test and Engineering Manager for the HARM Low Cost Seeker Program in NWC's Electronic Warfare Department just a short while before Cdr. Dyer made his visit.

Cdr. Dyer was associate technical manager for the HARM Technical Management Office at NWC before reporting to NAVPRO in 1984.

CFC crusade deadline appears on the horizon

Just one week remains in the 1987 Combined Federal Campaign fund drive at China Lake. The deadline for turning in pledge cards is next Friday, Nov. 28 according to Natalie Harrison, NWC Community Liaison Officer, co-chairman of the annual fund raising effort.

So far this year China Lakers have pledged more than \$78,500 to the CFC cause. This compares with a record \$200,000 plus donated by military and civilian personnel in last year's drive. Only 13 percent of the China Lake population has made a donation or pledge thus far.

All CFC donations continue to be fully tax deductible for all persons who itemize on their income tax returns.

Money generated by this drive, the only time during the year when employees are asked to donate to charity, goes mostly to organizations in the Indian Wells Valley, including the United Way of the Indian Wells Valley. Other umbrella agencies receiving a portion of the funds raised include National Health Agencies, National Service Agencies and International Service Agencies.

Loretta King, NWC Assistant Public Affairs Officer, who joins Natalie

Harrison in leading the drive, said China Lakers are encouraged to designate specific agencies to receive the monies they pledge.

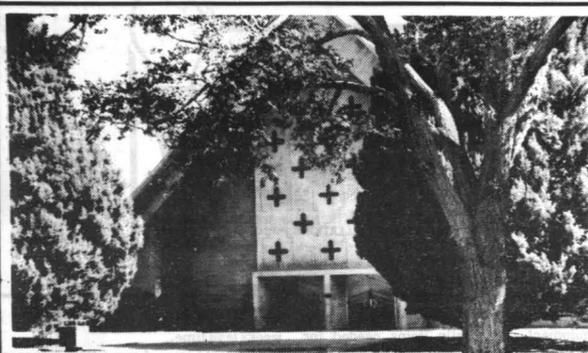
Each employee or military member should have received a pledge card and a brochure explaining the CFC and the organizations taking part. There is room on the card for individuals to specify up to seven agencies they want their donation to go to and how much each should receive.

The card also allows military and civilian personnel alike to have their pledge withheld in allotment form from their paycheck during 1987, spreading the amount pledged over a 12-month period.

Area organizations benefiting from the CFC include Navy Relief Society, Salvation Army, American Red Cross, We Care of the IWW and many more.

Agencies such as China Lake Mountain Rescue, IWV Search and Rescue and the Civil Air Patrol are also among recipients of funds from this annual drive.

China Lakers have been generous in the past and are encouraged to once again dig deep into their pockets and once again support the Combined Federal Campaign.



Divine Services

PROTESTANT
SUNDAY WORSHIP SERVICE 10:30 a.m.
SUNDAY SCHOOL (Annexes 1, 2, 4, and the East Wing) 9 a.m.
BIBLE STUDY (East Wing)

Wednesday 11:30 a.m. Sept. through June
 Thursday 7:00 p.m. Officer's Christian Fellowship
 Christian Military Fellowship
ROMAN CATHOLIC

SUNDAY MASS 9:00 a.m.
CONFESSIONS (Sunday) 8:15-8:45 a.m.
COMMUNION SERVICE (Monday) 11:35 a.m.
DAILY MASS (Tuesday through Friday) 11:35 a.m.
CONFESSIONS (Friday) 4:30-5:00 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday) Sept. to May 10:30 a.m.

JEWISH
WEEKLY SERVICES (Friday, East Wing) 7:30 p.m.
ADULT EDUCATION (Saturday, Annex 4) 9 a.m.
RELIGIOUS SCHOOL (Sunday, Annex 4) 1 p.m.

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

'Work a joy,' says Bill Weiss

Going to work each morning is a real joy for Bill Weiss, branch head for the Engineering Department's Metrology Branch. A 10-year veteran of the Naval Weapons Center, Weiss says, "I look forward to coming to work in this lab because there are so many exciting projects."

The 19-person branch headed by Weiss is responsible for calibration of research, test and evaluation equipment at China Lake. This includes calibration of precise timing devices used by the Range Department and calibration of equipment used to measure pressure and much more.

Weiss is pleased to say the branch is one of the primary supporters of the Naval Observatory in monitoring west coast Long Range Navigation (LORAN) equipment.

The branch head also notes his group is not the weather office. Metrology, often confused with meteorology, is the science of measurement and not weather forecasting. The two names, says Weiss, are often confused.

Science and electronics have held a fascination for Bill Weiss since he was a child. While his father wanted Bill to follow in his footsteps and become a roofing contractor, he had other ideas and goals. He built his first radio-controlled model airplane as a youth of 12 and is still actively involved in model building and flying.

Before coming to NWC 10 years ago, Weiss was at Alameda Naval Air Station and the Newark Air Force Station. He also worked at Griffiths Air Force Base in New York and was in the Army.

Among the jobs he has held in the past was that as supervisor for calibration of the Tital II missile guidance system for the Strategic Air Command.

Now he's deeply involved at NWC in ensuring the Navy gets what it orders from manufacturers of test equipment. "We verify that equipment a manufacturer sells the Navy will do what it claims ... that it will meet the specifications required," added Weiss.

China Lake's clear skies and remote location have allowed Weiss, and his wife, Patricia, to continue hobbies of amateur astronomy, back-packing in the Sierra and building and flying remote-controlled model airplanes.

Weiss says they enjoy the area. He and his wife have three children: Carolyn in Ukiah; Bill, Jr. working in Code 39; and Debbie, a student at the University of California, Irvine.

The small town atmosphere of Ridgecrest seems to carry over to the Center, noted Weiss. People are very communicative and very good to work with, he added.

There is more challenge in the future for Weiss. In addition to other projects, including time and frequency work he enjoys, the branch is working on setting up acceleration and vibration calibration equipment that would give NWC a unique capability.

In the meantime, Weiss has a continuing goal of improving metrology procedures at NWC and improving metrology engineering support given to programs on-Center.

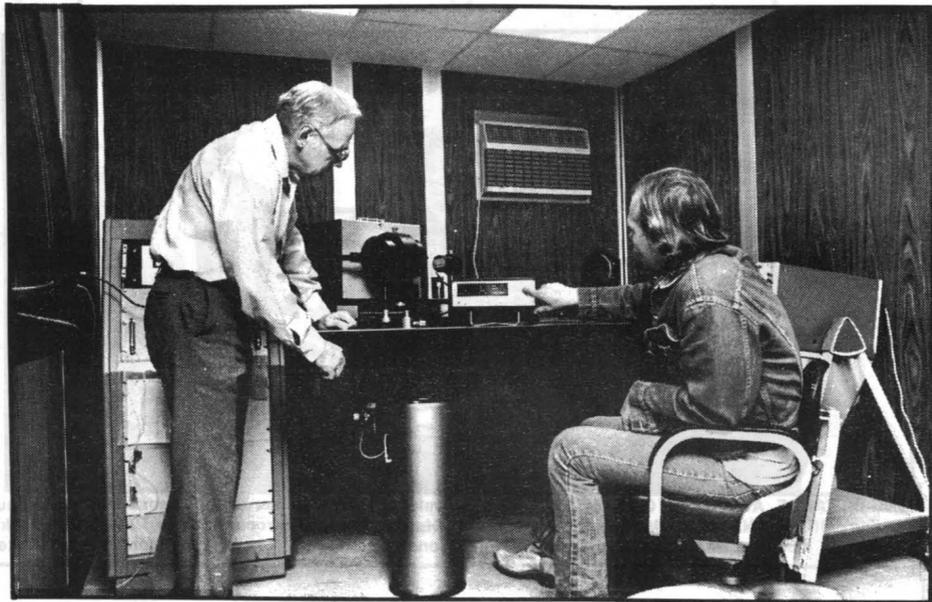
Space Station topic of talk

Space buffs are invited to attend a lunch meeting of the China Lake Section of the Institute of Electrical and Electronics Engineers next Wednesday to hear Dr. Peter Kurzhals discuss "The Space Station: Next Step for Man in Space."

Dr. Kurzhals, Director of Customer Accommodations for the Space Station Program at McDonnell Douglas Astronautics Company in Huntington Beach, will provide an overview of the Space Station capabilities, features and applications. He will discuss major station functions, representative missions and will show a videotape depicting the Station's assembly process.

The meeting will take place in the Mojave Room of the Commissioned Officers' Mess from 1:30 a.m. to 12:45 p.m. Menu selections are either a chef salad or roast beef, at \$5 for either.

Reservations are required and must be made by close of business Monday. They can be made by contacting any member of the executive committee. Committee members and their telephone numbers include: Clark Hay, NWC ext. 5607; Horace Joseph, 375-9397; Bo Arnold, NWC ext. 3493; Ramesh Ajmera and Wei Kuo, NWC ext. 3531; Dave Koelsch, NWC ext. 2844; Harvey Nelson, NWC ext. 3254; Ken Atwood, NWC ext. 2971; Gene Schneider, NWC ext. 5969; and Sarah Polak, NWC ext. 5465.



CALIBRATION LAB — Bill Weiss (left) talks to Steve Newman about the reciprocal vibration calibration fixture being set up in the Calibration Lab by Metrology Branch personnel.

NWC Rocketeer

Official Weekly Publication
 Naval Weapons Center / China Lake, California 93555-6001
 (619) 939-3354 or 939-3355

Deadlines: News Stories-Tuesday, 4:30 pm / Photographs-11:30 am

The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P-35 revised May 1979.
 Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in the Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003.

Captain John Burt
 NWC Commander

Gerald R. Schaefer
 Technical Director

Danny Kline
 Public Affairs Officer

Mickey Strong
 Editor

Steve Boster
 Associate Editor

PH2 Rick Moore
 Staff Photographer

Drugged driving dangerous

The "drunk" part of National Drunk and Drugged Driving Awareness Week, Dec. 14-20, has been well publicized. But many people forget it is dangerous to drive under the influence of any drug.

In fact, the National Safety Council estimates that for every 100 drunk driving arrests, there is at least one arrest for driving under the influence of another drug. And illegal drugs aren't the only drugs that can cause problems.

Medications for pain relief, allergies and

colds, as well as illegal drugs and controlled substances such as barbiturates and narcotics, can act on the same areas as alcohol. And the impairing effects of many drugs can be multiplied when combined with alcohol.

Ask your doctor or pharmacist if it is safe to drive after taking a particular prescribed or over-the-counter drug.

Also ask your doctor if it's safe to drink while using a prescribed medication and follow the advice.

Southern Inyo a magnet for countless visitors

Year-round fishing, vistas of snow-capped mountains and grotesque rock formations are but a few of the attractions responsible for luring thousands of visitors to Lone Pine and southern Inyo County.

Roughly 75 miles north of China Lake on Highway 395, Lone Pine is the jumping off point for mountaineers seeking to climb Mt. Whitney, the highest point in the 48 contiguous states at 14,496 feet above sea level.

Whitney Portal, a picnic area, campground and trailhead is about 15 miles west and more than 8,000 feet high. Lone Pine Creek tumbles down a series of cascades in the Whitney Portal area, providing some excellent photographic opportunities any time of the year as well as enticing visitors to just sit by the water and relax.

The pond, surrounded by parking lots, is stocked with catchable size rainbow trout during the summer. This is a highly popular spot from the time snow leaves the road in the spring until cold weather arrives in the fall. Weekends in particular are a busy time during the few months of nice weather.

Whitney Portal is easy to reach. Simply turn left, when northbound, at the only traffic light in Lone Pine and follow the road as it climbs the eastern slope of the Sierra Nevada.

Diaz Lake, just south of Lone Pine, and the lower Owens River offer year-round fishing opportunities. Diaz, also popular with water skiers during the summer, combines swimming, fishing, boating and camping in a park operated by Inyo County.

Earlier this year the Los Angeles Department of Water and Power and Inyo County joined forces to reintroduce a permanent water flow into the lower reaches of the Owens River, setting up a new, warm water fishery on the river. This project will sustain large mouth bass, bluegill and catfish. It will also provide breeding and feeding grounds for many bird species and habitat for other wildlife.

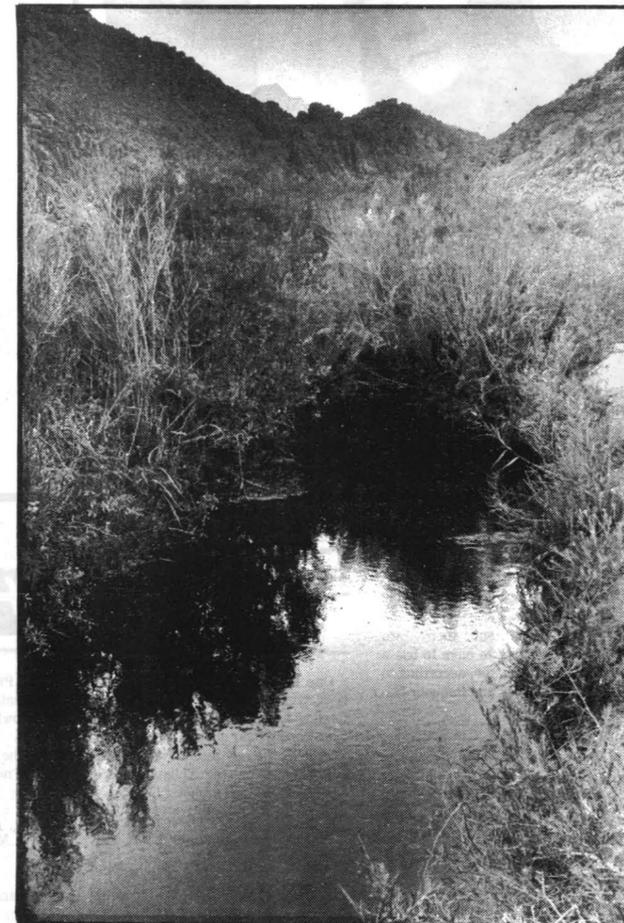
The grotesque rock formation, better known as the Alabama Hills, gets less attention from visitors.

One of the earth's oldest geological formations, at least according to Lone Pine's Chamber of Commerce, the Alabama Hills are a mecca for those who want to photograph the contorted shapes and weird formations in this massive jumble of ancient rocks.

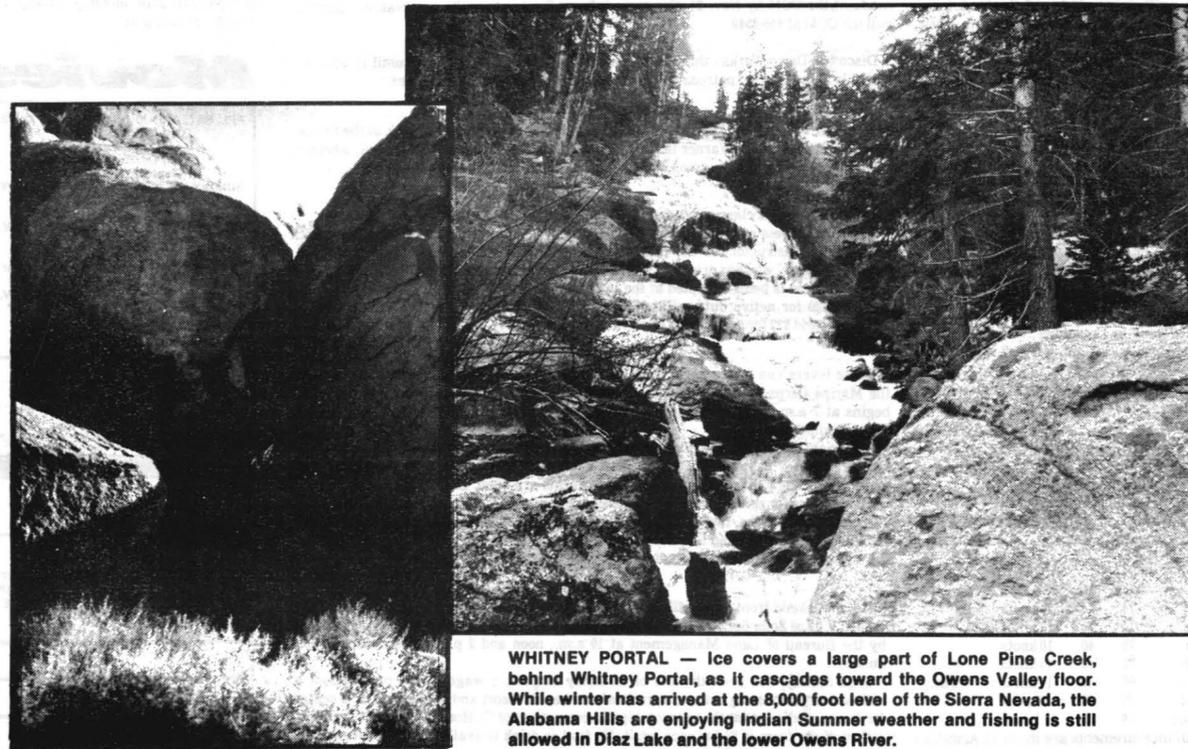
Formations such as hambone, Big Bertha, walrus, Peter's Pumpkin, Hannibal the Cannibal, Batman, Rhino feet and baboon can be found on the Picture Rock Circle Drive that goes from Lone Pine around the southern portion of the hills.

Sitting between Lone Pine and Whitney Portal, the Alabama Hills were named by a group of Owens Valley pioneers in admiration of the destruction wrought by the Confederate commerce raider during the Civil War. Just to the north, outside of Independence, another group of Owens Valley settlers named Kearsarge Peak and Kearsarge Pass in honor of the Union battleship "Kearsarge" that sank the "Alabama" in 1864.

Lone Pine has numerous county, BLM and U.S. Forest Service campgrounds nearby for the visitor wanting more than just a day-trip from China Lake.



Story & Photos by Steve Boster



WHITNEY PORTAL — Ice covers a large part of Lone Pine Creek, behind Whitney Portal, as it cascades toward the Owens Valley floor. While winter has arrived at the 8,000 foot level of the Sierra Nevada, the Alabama Hills are enjoying Indian Summer weather and fishing is still allowed in Diaz Lake and the lower Owens River.

Youth Soccer League play concludes tomorrow

Play in the NWC Youth Soccer League concludes with games tomorrow. Action at Knox and Davidove Soccer Fields begins at 8 a.m. in all three divisions, with the final games of the season scheduled to get underway at 1 p.m.

Division 1 Rowdies 5, Fury 0

Behind a four goal performance by Chris Branson, the Rowdies rolled past the Fury. Salvador Ramirez added the final tally. Chrissy Self and Thomas Martin were leaders for the Fury in an exciting encounter.

Sun 1, Bandits 0

Tiffany Austin kept the Bandits from scoring thanks to help from Michael Bastos and Sean Sewill. Matthew Girardot got the winning goal. Strong play from Jamie Critchfield, Brian Simolon, Ryan Lopez and Ray Hyles led the Bandits.

Apollos 3, Coyotes 0

Bill Nelson scored all three goals for the Apollos. David Rollingson, Jarrett Burke and Jimmy Hutmacher supported the winning effort. The Coyotes got good performances from John DeGues, James Bradshaw, Jayson Sorenson and Luc Marceau.

Express 2, Cobras 0

Solo goals from Behrang Goodarzivad and Peter Greedy led the Express win. Bobby Dawson, in goal, was the defensive leader. Gary Hobson and Kyesha Daniels

were the leaders for the Cobras this time out.

Eagles 6, Roadrunners 0

The Roadrunners failed to score, but got outstanding play from Chris Moore, Scott Siever, Adam Freund and Nathan Mickelsen. The Eagles got two goals from each from Patrick Ross and Sean Glasco. Joey Melton and Nick Charlton had one tally each.

Chiefs 5, Owls 0

Andrew Gates, Kate George, Cheryl Weibert and Brian Armstrong did the scoring and Jeremy Weigert assisted. Also playing well were Brett Trahey, Job Persching and Joe Kruschke. The Owls were led by Mandy Frazier, Jeff Robbins, Rory L'Hommedien and Adam Schoenberg.

Division 2

Cosmos 1, Earthquakes 1

Joe Mechtenberg noched an unassisted goal for the lone point scored by the Cosmos. Louis Moore's work in goal helped preserve the tie. Ryan Lilly, Parker Flagg and Chris Thornberry were outstanding players for the Earthquakes.

Lilly had the lone goal.

Aztecs 2, Blizzard 0

Behind a two-goal performance from Glenn Baker, the Aztecs prevailed. Michael Frederick led the defensive effort. Despite the loss, the Blizzard got good play from Matthew Bryner, Daniel Kelling and Keith Parris.

Timbers 2, Strikers 1

Robert Ricks and Ian Leles did the scoring for the Timbers, while Scott Johnson, Jimmy May and Jennifer Mouw were top defenders. Troy Flores scored, while Greg Greedy was an outstanding defensive player.

Sockers 2, Sting 0

Adam Summers, James Swader, Brandon Rey, Marti Brightwell, Greg Oshel, Vasken Haroutunian and Chris Didomenico led the winning effort. Paul LeBlanc, Agustin Hernandez, Bill Yeager, Jeff Schramm and Akini Garrett led the team effort for the Sting.

Drillers 2, Lancers 0

Thanks to Neil Covington's two goals and the teamwork led by Becky Rogers and Derek Falk, the Drillers won again. Danny

Hartley led an inspired team effort to limit the Drillers to just two goals.

Division 3

Whitecaps 3, Diplomats 2

A pair of goals by Paul Solem and a rebound goal by Beau Arnold highlighted a well-played game. Jerry Green and Jon Satterthwaite assisted in the win. Steve Sticht's two goals and the outstanding efforts of Sean Williams keyed the game for the Diplomats.

Sounders 2, Surf 2

Sounders' goals by Mike Ogren and Hugo Montes led to the deadlock. Justin Hemingway was the team's defensive leader. Goals by Dennis Sarrett and Sean Cassidy led the Surf. Brett Juskalian, Tom Foisy and Florian Chiurau played strong games.

Rogues 2, Tornados 1

Bryan Barrett took a rebound from a missed shot and scored the first goal for the Rogues. Aaron Schwartz had the winning tally while Eric Armstrong and Kevin Campbell played well. Garrett Katzenstein had the Tornado goal. Stephen Yoo, Michael Sieg and Brian Hire also had strong efforts.

Kicks 3, Roughnecks 1

Butch Boswell, Scott Ross and Todd Redmond did the scoring while Michelle Murphy, Michael Blurton and Dustin Haynes aided the Kicks cause. Mike Oliver had the lone Roughnecks' goal as they battled for the contest.



Sports



HALF-MARATHON—More than 100 runners took part in the Over-The-Hill Track Club's half marathon and three-mile fun run last Saturday. Runners are seen leaving the starting line at the NWC Gym. Bill Wilson in 74:06 and Steve Whitmore in 75:06 were the top

finishers. Dianne Lucas and Kathy McElroy crossed the finish line together in 90 minutes to lead the women's division, while Gary Cooper and Marty VanderKamp were top finishers in the military division.

NWC cagers prepare new season

Naval Weapons Center Intramural Basketball League opens play for the 1986-87 season Monday when the defending champion Saxwell Investment team faces Maples in a 6 p.m. game at the NWC gym.

Other games in the "A" Division on

opening night will pit NWC's Varsity against Pioneer and the S.W.E.A.T. team will face the Call Firemen.

Intramural play will take a holiday break after opening day and resume play with games on Monday, Dec. 1.

NWC's Varsity team will also be in action tomorrow (Saturday), when they host the Ft. Irwin team in a 1 p.m. game. On Sunday, the NWC Women's Varsity to visit Edwards AFB for a season opener, while the men's team will travel to Edwards for a game on Nov. 29.

Hoop registration

Registration continues for the 1987 NWC Youth Basketball League with signups being accepted through Dec. 5 at the Information, Ticket and Tour Office. The office is open for registration from 9 a.m. to 5 p.m. Monday through Friday.

Signups began Nov. 17 for the season which opens Jan. 9 for a two-month run. Youngsters seven to 17 years of age are eligible for the NWC Youth League.

Players who did not take part in the

1986 program will be required to attend a skills evaluation session for their respective age groups to ensure placement of players will give the league good balance.

Evaluations will be held at the NWC Youth Center on Dec. 9, 11 and 13.

For additional information on the 1987 Youth Basketball League, which will conclude next March, call the Center's ITT Office at NWC ext. 2010.

Raiders cop flag victory

Darth Vader's Raiders captured the 1986 NWC Intramural Flag Football championship with a 22-12 triumph against the NWC Raiders earlier this month.

Both teams went into the final battle with identical 5-1 records, having lost to each other once during regular season activity.

NWC Raiders went 5-2, the L.A. Express ended at 2-4 and Grizzled suffered through an 0-6 1986 flag football season at NWC.

Fishing slow

Anglers have not had much luck fishing at Lake Isabella in the past few days. Good weather has made fishing enjoyable, but catching fish has not been part of the enjoyable experience.

Catchable rainbow trout are still being planted in the Kern River from the KR3 Powerhouse to the lake. Anglers are landing a few of the trout, but not in large numbers and not big fish. Bass and catfish anglers have been wasting their time working the lake.

A Bishop resident, however, ended the 1986 Eastern Sierra fishing season in fine form however, pulling a 19-pound German Brown Trout out of Twin Lakes in Bridgeport the day before the season closed.

Fishing season is still open on the Owens River, south of Pleasant Valley Reservoir, on the Kern River above Isabella and Lake Diaz near Lone Pine.



The Skipper Sez...

Thanksgiving is a special time for all Americans... a time in which we give thanks for the freedom and opportunities that this great nation provides to each of us.

We at the Naval Weapons Center have an extra reason to give thanks because all of us, military and civilian alike, enjoy a special responsibility toward preserving and protecting that freedom and those opportunities. It is proper that we spend this Thanksgiving Day reflecting on our good fortune. As Americans, we have been blessed with a society that is the benchmark of freedom around the world.

To each and every one of you and your loved ones, I send my warmest wishes for a happy Thanksgiving.

All China Lokers, 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. John Burt. 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.



CELEBRATION — Liz Babcock, head of the Technical Information Department's Library Division, serves cake to Steve Sanders, TID department head, as Gerry Auger, chairman of the advisory board for the technical library, watches and waits his turn for cake. The technical library celebrated its 40th anniversary of service to China Lake's technical personnel this week. — Photo by PH2 Rick Moore

DOD policy reflected by new Center instruction

(This article is in response to a Skipper Sez request for information on Navy policy on smoking in the work place.)

Department of Defense policy with regard to smoking is reflected in the new Center instruction regarding the use of tobacco products at the Naval Weapons Center. This instruction, an update of NWWPNCENINST 5100.16 of May 1, 1978, is currently in final review and is expected to be issued shortly.

Both instructions note that the Surgeon General of the United States has determined that smoking of tobacco is the most

preventable cause of illness and death.

In addition, the Environmental Protection Agency states that involuntary/passive smoking poses a public health risk larger than the hazardous air pollutants from all industrial emissions combined. The Department of the Navy is particularly concerned because tobacco use impairs such critical military skills as night vision and eye/hand coordination as well as increasing susceptibility to disease and impairing cardiorespiratory endurance, exercise tolerance and stamina.

Center policy is to ensure a safe, healthy, unpolluted work and living environment. To

help those who wish to stop smoking, NWC is already providing appropriate training and education to military and civilian personnel who want to avail themselves of the help.

Although the new instruction does not prohibit tobacco use, it does control where and under what circumstances tobacco products can be used.

Smoking will continue to be prohibited in the Center gymnasium, Youth Center, Center library, Center theater and youth activity facilities, shopping facilities, shuttle vehicles and elevators, conference

rooms and classrooms.

In medical and dental facilities, smoking will be permitted only in designated areas where there is no risk of impairing non-smokers' health. In the Training Center and other training facilities, use of tobacco is also strictly limited to designated areas.

In work areas, separation will be provided between smoking and non-smoking personnel in common work spaces, with smoking areas designated where practical. Smoking will only be permitted in shared areas where ventilation is adequate to provide a healthy environment for non-smokers.

Class for babysitters slated

The Safety and Security Department is presenting a pre-holiday babysitting seminar for young adults ages 12-18 years; advance registration is not necessary.

Topics include "Medical Emergencies," by LCDr. Dorothy Michael of the Branch Medical Clinic; "Keeping the Home Secure," by Detective Stanley Austin from the China Lake Police Division; and "In the

Event of a Fire," by Inspector Ken Zurn of the Fire Division.

The seminar will be held on Tuesday, December 2 at the east wing of the All Faith Chapel.

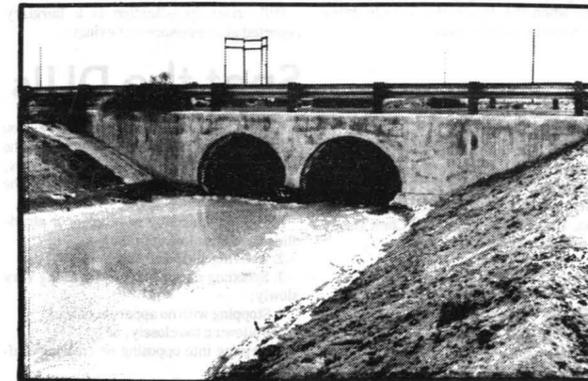
There will be a film, "Hot Liquid Burns," following a 15-minute refreshment break. For more information call Inspector Zurn NWC ext. 2146.

Additional MIPIs okayed . . .

(Continued from Page 1)

MIPIs as efforts to help clean up irritations hindering the Supply Department in attempts to support technical projects on Center.

The Supply Department staff has submitted a large number of additional MIPIs with potential significant impacts on the way supply supports project work. They are waiting for word on these additional suggestions from higher authority.



SYSTEM TEST — Water ripples through the Center's new flood control channels in the first significant rain after construction began on these. Although the system is not yet complete, it worked well in draining water that would otherwise have accumulated in low spots (such as at the main gate). Once in place, the system should ensure that no repeat of the catastrophic August 1984 flood occurs.

Navy helps sky watchers

The U.S. Naval Observatory comes to the rescue of amateur astronomers. On Aug. 3, the observatory started an AT&T "Dial-It 900" service of astronomical event information. It's in plain English — not scientific jargon. Called STAR WATCH, it runs for seven consecutive days beginning with the first Sunday of every month.

STAR WATCH, 900-410-STAR, is a monthly telephonic astronomy newsletter that will get you accustomed to the night sky.

If you don't know a star conjunction from a Hollywood opening and find popular astronomical journals too technical, STAR WATCH is the answer.

It will bring you information on positions of the planets, meteor showers, eclipses and other astronomical events of interest to the casual observer. And just so you won't forget, write to the Naval Observatory at 34th and Massachusetts Avenue, N.W., Washington, D.C. 20390 and we'll send you your very own STAR WATCH calling card. (For "Dial-It 900" service, AT&T charges callers from the United States, Canada, Puerto Rico and the U.S. Virgin Islands 50 cents for the first minute and 35 cents for each additional minute. All other countries can access the program at regular international long distance dialing rates.)

Wet fall, winter ahead?

Weather forecaster John Gibson's long range prediction of a wetter than usual fall and winter started becoming true this week when the first real rain storm of the season dropped exactly a half inch of rain at Armitage Airfield.

Nervous Centerites who remembered the flood of 1984 awoke during the night to hear the heavy showers and may have worried a bit before drifting back off to sleep. Flood control work to ensure that a repeat of that flood won't occur is not yet complete, but many elements of the system are in place and functioning.

Gibson says the trough that came through the area late the preceding week left a cutoff low southwest of San Diego, where the system picked up a lot of warm, moist air. It moved in again Monday, but the flow aloft of winds was such that the rain should have dropped on the other side of the mountains.

What changed that was a shift of wind direction below 8,000 feet to the south-

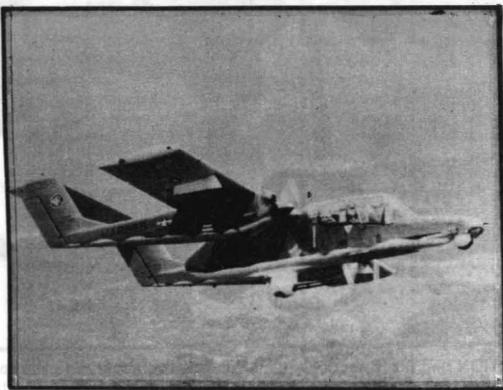
east, bringing the moisture to the local area.

Gibson notes the Pacific high that had caused two major storm systems to go to the plains states rather than to drop down into California is now gone and California is open to any system moving in from the Pacific. There's a good chance of more wet weather moving into California this weekend unless unexpected changes occur.

What's the long term outlook? Gibson sticks by his prediction of a wet winter ahead. And, on a shorter time scale, he also thinks ski lodge operators are apt to have a lot to be thankful for this season because he believes there'll be a lot of snow in the Sierra by next Thursday.

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)

China Lakers involved with Marine Corps OV-10



Military and civilian personnel at the Naval Weapons Center were instrumental in integrating new aircraft avionics in development of the Marine Corps OV-10D Night Observation Surveillance (NOS) aircraft during the late 1970s.

The OV-10D was an OV-10A with forward looking infrared (FLIR) and laser rangefinder/designator (LRD) capabilities integrated into the aircraft.

Personnel from the Infrared Systems Branch and Laser Systems Branch worked with Lt. Col. (now Brig. Gen.) D.E. P. Miller, Marine Corps Liaison Office on the project at NWC.

The Bronco, with a primary mission of reconnaissance, observation and forward air control, had a highly successful combat evaluation in Vietnam during 1971 as a gunship in addition to the surveillance aspect. After Vietnam, the gunship role was dropped in favor of the observation mission and the addition of FLIR and LRD equipment.

FLIR capability gives the OV-10D operator real-time imagery during the day or night of militarily significant scenes on the ground such as personnel or vehicles.

LRD uses an intense pencil-beam laser used to designate targets for laser-guided weapons. The weapons home in on the target by tracking reflected laser energy.

The night capability of the OV-10D made the Bronco with FLIR and LRD an important addition to the Marine Corps inventory. The OV-10 has been in the U.S. inventory since the late 1960s and has also been provided to free world foreign markets.



China Lake Police Reports

A husband and wife got into an argument while they were driving in their vehicle on the Center. The argument escalated and he struck her. The case is still under investigation.

A military motorcycle rider reported that he lost control of his cycle at intersection of Nimitz and Hussey and fell to the ground. Although he was not injured, the motorcycle sustained some damage.

Because of the slick roadway surface, the driver of a government vehicle northbound on Sandquist at Lauritsen lost control of the vehicle and collided with a road sign.

Neither driver of two vehicles backing from parking places in front of 71 Parsons saw the other and the two vehicles collided.

A vehicle at Bullard and Blandly made a right turn into the Supply Department compound and struck a fence post. No injuries were sustained by the driver.

Unknown persons removed a battery from a government vehicle parked at 71 Hussey.

Power tools were removed from a carrier in Michelson Laboratory. This was reported as a petty theft.

When police made a traffic stop, they discovered that the military driver was using a revoked license and that he was also not supposed to be driving on the Center. He was cited into military court.

Someone removed lug nuts from a vehicle on Vieweg Circle. Fortunately, the driver noticed the missing lug nuts before any serious road damage occurred.

A Ridgecrest man was stopped while riding his motorcycle and found not to have a license. He was cited into East Kern Municipal Court.

A husband-wife argument in a residence in the Site A Capeharts escalated into a physical altercation that resulted in injuries to both of them. Investigation continues.

An 11-year-old at Richmond School took money from a 6-year-old in a fraudulent operation.

Damage occurred to government property when someone failed to properly extinguish a cigarette in Michelson Laboratory and set a mattress on fire. The fire was easily extinguished.

Two separate residents of Sellars Circle have reported receiving annoying telephone calls.

During a husband-wife argument in the Capehart B area, the civilian husband struck his military wife with a closed fist, inflicting cuts on her lower lip.

Although major damage was inflicted on a vehicle by a driver who backed into another vehicle, no one was injured.

Another non-injury accident occurred when one vehicle traveling east on Inyokern Road turned north onto Sandquist and collided with another vehicle traveling west on Inyokern Road.

No injuries occurred in an accident in the parking lot near Wing 1 of Michelson Laboratory when the driver of a vehicle drove into a raised manhole cover.

Vandals reportedly damaged a sign near the Enlisted Mess.

A vandal also reportedly entered the yard of a residence on Burroughs Avenue and cut the garden hose.

A vehicle at the NEX gas station backed into another vehicle, causing minor damage to the second vehicle.

At 2:31 a.m. Sunday, police made a traffic stop at Knox and Ringgold and discovered that the driver was under the influence of alcohol. The driver spent the next several hours sobering up at the police station before being cited into East Kern Municipal Court.

A suspect was taken into custody at a residence on Nimitz for being drunk in public, vandalism and disturbing the peace. He will be cited into local court on those charges.

Still under investigation is a burglary reported at a residence on Lexington.

Spot the DUIs

Even if you don't drink and drive, you might become a victim of someone who does. Learn how to spot drinking drivers; they're probably doing one or more of the following:

1. Making unusually wide turns or straddling the center line or maker;
2. Weaving and swerving;
3. Speeding excessively or traveling very slowly;
4. Stopping with no apparent cause;
5. Following too closely; or
6. Driving into opposing or crossing traffic.

If you suspect a driver is intoxicated, maintain a safe following distance and don't try to pass. If the driver is behind you, turn right at the next intersection and let him pass. Report the suspected drunk driver to the nearest law enforcement agency and try to describe the vehicle, its license number, location and direction.

New gate hours

Starting immediately, the gate on south Knox Road will be open from 6 a.m. until 6 p.m. Mondays through Fridays (except holidays). A pedestrian gate is now open at South Knox Road as well as the entrance for vehicles.

The Burroughs High School gate will be open from 7 to 8 a.m. and 3 to 4 p.m. for school and school bus traffic only until Friday, Dec. 5.

Local groups join in futile search

Three local groups joined in a massive search last week for two Los Angeles-area men missing after they had rented a four-wheel drive Mitsubishi Montero to explore off-road areas. Taking part in the search were the Center's Search and Rescue helicopter and its crew, the Indian Wells Valley Search and Rescue team and the China Lake Mountain Rescue Group.

The two men, Terrence Seever, 31, of Limita and Donald Freeland, 29, of Torrance, reportedly were planning to drive to Red Rock or Jawbone Canyon. When they were reported missing by their families, the eastern portion of Kern County was the first region examined for traces of the driver and his paraplegic passenger.

After the search in Kern County found no traces of the missing men, off-road areas in Los Angeles County were searched. The

wrecked vehicle was spotted by a Los Angeles County Sheriff's helicopter crew at the bottom of a ravine off Sierra Pelona Road near Agua Dulce; neither survived.

Crew of the Center's SAR helo taking part in the search were Lt. Mark Eoff, Major Rick Leuking, AT2 Jack Hayes, ATAN Darin Hart and HM3 James Childers.

IWVSAR personnel taking part included Captain Ron Smith, Rick Winniford, Hulen Frageman, Jim Baldwin, Dennis Clodt, Louie Allen, Dave DeKruger, Darrel Taylor, Jim Crow, Dan Smith, Frank Alonge, Carl Fiesen, Gary Hobson, Mark Swett, Jim Hill, Don Davis, Chuck Christman, Bill Moon, Joe Groshart Jerry Young, Henry Hurd, Bennie Parsons, John Paul and Jim Snyder.

CLRMG personnel included team leader Mike Nason, Mike Wisecarver, Scott

McDowell, Ron Leiser, Tom Sakai, Randy Walker, Tom Roseman, Bill Martin, Ken Amster, Phil LaRoe, Mike Renta, Lee Lucas, Dan Harris, Al Jones, Chris Osterman and Bart Hine.

Retirees move toward new career in education

"Would General George Patton have made a good elementary school principal?"

This is a rhetorical question asked by a national educator when Secretary of Education William J. Bennett first proposed bringing retired military personnel into the nation's school systems.

"The truth is, there are many superintendents and school boards who have considered such a question and have hired military retirees," Bennett said recently, when he and Secretary of Defense Caspar W. Weinberger signed an agreement to encourage retired officers and enlisted personnel to seek second careers as educators.

"Many retirees are well versed in precisely the subject areas in which there tend to be teacher shortages — science, math and foreign languages," said Bennett. "If they will consider turning some of their experiences and knowledge to teaching and administration, it would be a good thing for

our schools, our children and our nation ..."

Weinberger noted that in 1985, about 98 percent of retiring officers had bachelor's degrees, 63 percent had master's degrees and 4 percent had Ph.Ds.

"In 1985, 40 percent of the retiring enlisted population had had some college or completed an associate or baccalaureate degree," Weinberger said.

According to fiscal 1985 DOD statistics, 40,060 active duty enlisted persons have bachelor's degrees, 2,415 have advanced

degrees and 279,948 have between one and four years of college credit but no degree.

"Each year, about 8,000 officers and 22,000 enlisted people retire," said Weinberger. "Among those 30,000 individuals — many of whom have valuable technical backgrounds — there may be high interest in a second career in education. Retired military men and women have had many years teaching, administering, training and leading large numbers of young people."

"We need real leaders who can organize

and motivate others," Bennett emphasized. "Many military retirees are such leaders. They are needed in our schools — as counselors, assistant principals and principals."

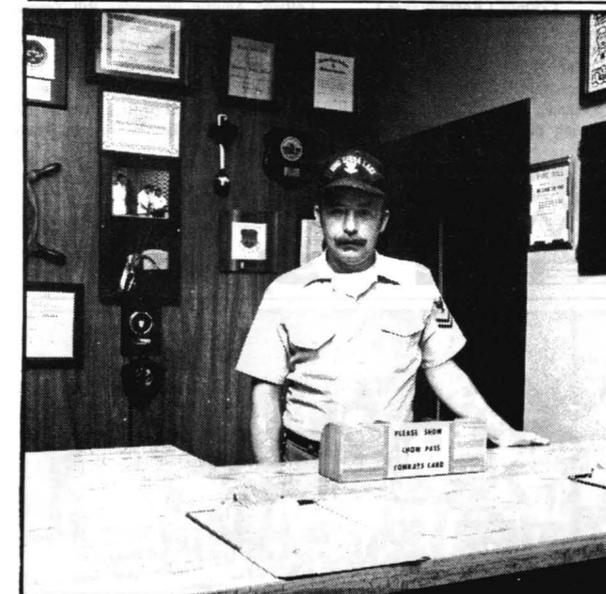
Many potential teachers are often turned away because they "lack paper credentials." Bennett said retirees may encounter the same "bureaucratic obstacles."

"This ought to be changed," he emphasized. "We need to open the doors of our schools to qualified applicants from all fields . . . if they have the knowledge, skills and character necessary to teach or administer. We ought to do away with excessive paper requirements."

Bennett said military retirees do well as teachers and administrators "because they have spent so much time training young men and women in the services and partly because, as one administrator put it, they are 'outcome oriented.'"



Military News



ANOTHER HITCH — SH2 Terry Look, working at the NWC Enlisted Dining Facility, recently signed on the dotted line for another tour in the Navy. Petty Officer Look re-enlisted with the Navy's TAR (Temporary Active Reserve) Program.

Native Americans on Active Duty

American Indians comprise the bulk of more than 20,000 Native Americans, including Aleuts and Eskimos, serving in the military services as of March 1986.

Here is where they serve:

Branch of Service	Enlisted	Officers	Total
Active Army	3,425	293	3,718
Active Navy	2,504	194	2,708
Active Marines	1,120	56	1,176
Active Air Force	5,525	586	6,111
TOTALS	12,574	1,129	13,713

Native Americans in the Reserve and National Guard

Branch of Service	Total
Army Reserve	585
Army National Guard	3,577
Air National Guard	973
Naval Reserve	552
Marine Reserve	99
Air Force Reserve	676
TOTALS	6,462



White-knuckle flying curse not effortlessly conquered

In fiscal 1985, members of the armed forces racked up more than 7.5 billion passenger miles traveling on official duties. And retired Air Force Col. David R. Jones, now chief of neuropsychiatry at the School of Aerospace Medicine, Brooks Air Force Base, Texas, said it's a good bet that a lot of those passengers were not thrilled with the experience.

Fear of flying is a common phobia that affects an estimated 25 million Americans. Most flyers accept air travel as a necessary evil, making the trip with 10 white knuckles and no joy.

But there is a difference between a phobia and fear, according to Jones. "Fear is an emotion that results from real immediate danger," he explained. "For instance, if you meet up with an irritated rattlesnake, you should be fearful. But if you look at a picture of a rattlesnake and break out into a cold sweat, you probably have a phobia about rattlesnakes."

It is those phobias that psychiatrists like Jones and his colleagues in the other services try to help service members deal with. And since air travel can be an integral part of a military member's life, they often treat patients with phobias associated with flying.

"When treating a phobia, we try to get rid of the symbolic anxiety that is affecting the patient," said Jones. "The techniques we use to help someone overcome a fear of flying are the same techniques used to treat other phobias."

The first thing Jones teaches his patients is how to relax. "Relaxing is important because it puts people in control of their body reactions (sweating, tremors, etc.), and being out of control is one of the reasons people feel anxious about flying. You are literally putting your life in the hands of two people 33,000 feet in the air." Jones said if people can relax while in an airplane, they feel they have regained some control over the situation.

Jones said that after teaching patients to relax, "We begin therapy by asking them to move through each phase of the flight in their own minds. The process begins with waking up on the day of the flight and ends with the actual taking off and landing." Jones said the therapy is set up so that at any step the patient becomes anxious, the process is stopped until the patient can mentally complete the task comfortably. Once the patients are able to mentally take off and land without becoming apprehensive, they are encouraged to actually perform what they have mastered in their mind.

More than just scuttlebutt

What Mrs. Brown hears from Sgt. Brown in a phone call from the base: "I'm going to be home late tonight because a whole squadron of F-15s is moving overseas on some kind of special mission."

Soviet intelligence-gathering operatives, of course, hear this conversation word for word, but what they glean from it — combined with what they already know — is much more valuable than appears on the surface.

Nations have been exploiting information gleaned from military communications

since before World War I.

Nations hostile to the United States are spending millions of dollars and thousands of man-hours to gather information they can exploit to their advantage. Nearly all voice communications systems can be intercepted by anyone who has the resources to do so.

That's why communications security, or COMSEC, is so important. When insecure communications travel by telephone or radio, you can be sure that the enemy will be monitoring them.

CCCC announces its schedule for new semester's registration

Cerro Coso Community College has announced its registration schedule for the upcoming spring 1987 semester. The new semester begins January 20 and concludes June 4.

Continuing students will be registering on Dec. 8-10 and on Jan. 12. To register on these dates students must have an appointment.

New students attending an orientation session will be given priority registration immediately following the sessions on Dec. 11 and Jan. 12 by appointment only.

Both new and continuing student registration will be conducted by appointment only on Jan. 13-15.

Interested individuals may make a registration appointment by calling the College at 375-5001, Dec. 2, 3, and 4 weekdays January 5-15, from 9 a.m. to 5 p.m.

Open registration, where no appointment is needed, will occur on January 19 from 9 a.m. to 12:30 p.m. and from 2 to 6:30 p.m.

New students are encouraged to participate in the spring semester new student orientation and registration program. The one-hour orientation sessions will be held on Thursday, Dec. 11 at 9 a.m.; 1 p.m.; 2:30 p.m.; and 4:30 p.m. On Monday, Jan. 12, the sessions will be held at 1 p.m.; 2:30 p.m.; and 4:30 p.m. Topics will include available major fields and study programs, graduation and transfer requirements, and student support services. Space is limited, advance reservations must be made for a specific orientation session by contacting the Registration Appointment desk at 375-5001.

Students requiring placement tests or a counseling appointment regarding their academic schedule should contact Student Services at 375-5001, ext. 219 prior to their registration appointment.

For enrollment in English and Office Careers courses, students must obtain placement cards from Student Services prior to registering for classes.

For more information, contact the college at 375-5001.

CENTER TUITION SUPPORT

The Center will pay for your full tuition under the NWC/Cerro Coso Contract, if you can show that courses are job-related or will strengthen your contributions to the Center's mission. Your tuition will be paid directly to the college by Code 094.

You must submit a DD Form 1556 (Request, Authorization, Agreement, and Certification of Training and Reimbursement) via department channels to Code 094.

If a course is not directly job-related, along with the DD Form 1556 submit NAVWPNCEN 12410/66 Academic Enrollment Justification and NAVWPNCEN 12410/68, Individual Development Plan, describing how the course fits into your overall career plan and how attendance at the course will strengthen your contribution to the Center's mission.

If you are not yet a California resident, please include a statement from your supervisor indicating the negative impact to NWC of postponing the training until residency is established.

Code 094 will return the approved DD Form 1556 to you. You must take it with you to Cerro Coso when you register in order for NWC to pay your tuition.

CO-OP STUDENTS

If you are a co-op student, a DD Form 1556 is not required, simply tell the registrar that you are an NWC co-op student when you register. Please identify yourself as a co-op student at the beginning of the registration process.

ENROLLMENT DEADLINE

Requests for tuition support (DD Form 1556) must be received by CLOSE OF BUSINESS December 1 for registration December 8-10 and January 5 for registration January 12-19, so that they may be processed and returned to you in time for registration. Those received after the deadline will be returned and employees will have to pay the tuition themselves. Employees who pay tuition will not be reimbursed. If you have any questions, call Cecil Webb at NWC ext. 2648.

Madrigal to be on-board Dec. 1

Dr. Orlando Madrigal of Cal-State University Chico will be on-Center Dec. 1 to advise current and prospective students in the external degree programs offered by the school.

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

Advisors to be on-Center Dec. 3

Academic counselors of Cal-State Bakersfield will be on-Center Dec. 3 to advise current and prospective students in the external degree programs offered by the school.

External degree programs offered at NWC by Bakersfield include a bachelor's degree in business administration and a master's degree in administration. Bakersfield also provides math courses in other external degree programs at NWC.

Those who wish to see one of the academic counselors are asked to make an appointment by telephoning Cyndi Jones at NWC ext. 2648.

Cal-State Chico releases spring computer science class schedule

The following classes are being offered this spring for the Cal-State Chico Computer Science Program (bachelor's and master's degrees). To enroll in these classes, submit an on-Center Training Request (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held in class at the first class

meeting. Deadline for enrolling is 10 calendar days before the starting date of the class. Although training requests will be accepted after the deadline, that date will be used to determine whether the class will "go."

CSCI 397C-1: ROBOTICS (3 units)
January 10-11, February 21-22, March 28-29; Saturdays and Sundays; 0800-1600; Training Center. By Professor Harold Luxenberg, CSUC.

Prerequisite: Senior standing.
Scope: Students will be provided with sufficient background information and an introduction to the state-of-the-art in the four areas of locomotion (artificial feet), manipulation (artificial hands), computervision (artificial eyes), and computerspeech (artificial voice/ears), to enable them to perform original research and/or make original contributions in any one or more of these fields.

Text: "Industrial Robotics: Computer Interfacing and Control," Wesley E. Snyder, Prentice Hall, 1985.

CSCI 320A: DIGITAL AND ANALOG TRANSFORM THEORY (3 units)

January 27 - May 22; Tuesdays and Thursdays; 1400-1515 (via satellite); Training Center. By Professor H. R. Luxenberg, CSUC.

Prerequisite: One upper division course in mathematics or consent of instructor.
Scope: Through lectures and assigned readings, the instructor will provide sufficient background in the mathematical techniques of signal processing theory to permit students to do independent study in areas involving signal processing. Students are to do independent study in some area of signal processing which is of personal interest to them. Examples include: music synthesis, speech generation, speech recognition, video processing, image enhancement, pattern recognition.

Text: "Signals and Systems," Oppenheim, A. V. and Willsky, A. S., Prentice Hall Signal Processing Series, 1983.

CSCI 280: DIGITAL LOGIC DESIGN THEORY (3 units)

January 27 - May 22; Tuesdays and Thursdays; 1100-1215 (via satellite); Training Center. By Professor Ralph Hilzer, CSUC.

Prerequisite: CSCI 171: Computer Architecture, or the equivalent experience which has provided an introductory knowledge of logic gates, Karnaugh mapping, and assembly language programming.

Scope: The course covers the design of combinational and synchronous sequential digital circuits. The student will design a simple digital computer. Topics include combinational logic (Boolean algebra, Karnaugh maps, switching functions, NAND and NOR design, don't care terms, minimization, iterative circuits, decoders, multiplexers, programmed logic arrays), memory devices (flip-flops, shift registers, semiconductor RAMS and ROMS), synchronous sequential logic (State transition diagrams, state minimization and state assignment, register transfer operations, analysis and synthesis of synchronous sequential machines, counters, buss interconnections, synchronous inputs to clocked logic), and the design of a simple digital computer.

Texts: "Digital Logic and Computer Design," Mano, Prentice-Hall, 1979. "The TTL Data Book From Texas Instruments."

CSCI 152: OPERATING SYSTEMS PROGRAMMING (3 units)

January 27 - May 22; Tuesdays and Thursdays, 0800-0915 (via satellite); Training Center. By Professor Paul Luker, CSUC.

Prerequisite: CSCI 151 (Data and Program Structures) or equivalent.
Scope: This course covers an overview of system and software function and evolution; loaders; linkers; operating system architecture from the kernel outwards. Topics include the motivation for and evolution of system software; overview of an operating system; the kernel of an operating system -- process management; the synchronization of concurrent processes; memory management; virtual memory; the input/output subsystem: overall operation and synchronization, and disk scheduling; the file system; scheduling CPU allocation; and resource allocation -- deadlock handling.

Text: "Operating Systems Concepts," Peterson and Silberschatz, Addison, 1985.

NOTE: This is a core course for the bachelor's degree in computer science and a foundation requirement for the master's degree program in computer science.

CSCI 397C-2: EXPERT SYSTEMS APPLICATIONS (3 units)

April 4-5, April 25-26, May 30-31; Saturdays and Sundays; 0800-1600; Training Center. By Professor Ralph C. Huntsinger, CSUC.

Prerequisite: CSCI 151 (Data and Program Structures) or equivalent.

Scope: This course covers the basic concepts and techniques of current expert systems technology. The course emphasis is on Expert System Shells and their use for specific applications. The use of the language Prolog (Programming in Logic) for expert systems applications will be included. Topics include an overview of expert systems concepts; history of expert systems; the IBM ESDE (Expert System Development Environment); Expert Systems Shells on micro computers; introduction to the Prolog AI Programming Language; uses of the language Prolog in expert systems applications.

Texts: "Building Expert Systems," Hayes-Roth, Waterman, and Lenat, Addison-Wesley, 1984.

MATH 477: DIFFERENTIAL EQUATIONS (5 quarter units)

January 16 - March 20; Fridays; 1530-2030 (1-hour dinner break); Training Center. By Professor El-Ansary.

Scope: First-order differential equations (d.e.); linear d.e.; Laplace transform and its applications to solutions of linear d.e. and systems; series solutions of second-order linear equations and/or numerical solutions of d.e.; topics in non-linear d.e. and systems; applications.

Text: "A First Course in Differential Equations With Applications," Dennis G. Zill, Wadsworth.

SOC 405: SOCIOLOGY AND TECHNOLOGY (5 quarter units)

January 12 - March 16; Mondays, 1600-2100 (1-hour dinner break); Training Center. By Professor Nyberg.

Scope: This course examines reciprocal relationship between technology and society, emphasizing the manner in which technological changes alter basic social institutions, including the family, religion and the military, and even science itself. Special attention is given to the positive and negative impacts of technology on the individual and the dilemmas posed by the creation of a technology dependent economy.

NOTE: This course satisfies an upper division general education course requirement for CSUC bachelor's degree program.

GENERAL COMMENTS

1. Textbooks are available at bookstores locally.
2. Job-related courses other than those listed above or those offered under contract with Cal-State Northridge or Cal-State Bakersfield must be approved on an off-Center Training Request (DD Form 1556) before registration if NWC is expected to pay for the training. For more information, contact Cecil Webb, NWC ext. 2648.



Personnel News & Notes

No. 73 / November 21, 1986

Naval Weapons Center, China Lake, California 93555 6001

PROMOTIONAL OPPORTUNITIES

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

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

No. 09-073, Budget Clerk/Assistant, GS-561-3/4/5, Code 0833/0836 — Incumbent will provide fiscal clerical support to the branch or any of the departments it serves. Incumbent assists in preparing overhead budgets, gathers financial and accounting data, monitors expenses on customer order/job order numbers, assists the department in processing travel orders and/or material requisition actions. Knowledge: of accounting or budget clerical procedures. Abilities: to work with figures; to meet deadlines under pressure. Promotion potential to GS-6. Status eligible will be considered.

No. 08-074, Management Assistant, GS-344-5/6/7, Code 0821 — Incumbent provides support to the branch and serves as a contact point for its programs. Duties include: preparing requisition for printing of forms and directives; designing simple forms; revising forms; editing simple directives; maintaining action logs and indexes for the forms and directives programs; and providing reference service and liaison for the branch programs; maintains office files; prepares timecards; processes mail; types as required; and provides clerical support. Knowledge: of Navy and NWC directives, correspondence, forms, files and reports. Ability: to plan and organize work; to communicate effectively both orally and in writing; to work under pressure; to interface effectively with all levels of personnel; to work independently with little supervision; to type. Promotion potential to GS-7.

No. 08-075, Computer Specialist, DS-344-1, Code 0808 — This position is in the Office of Finance and Management and is a staff position to the Department's Computer Information Systems Manager. Incumbent will coordinate our computer systems requirements, order computer materials and supplies and aid in the development and installation of computer inventory for local area networks. Knowledge: of DEC cluster system administration; of ADPE operations and experience in computer system operations on DEC systems, including user account maintenance, file backup and recovery and printer and peripheral routine maintenance. Promotion potential to DS-2 but is not guaranteed.

No. 31-166, Computer Specialist, DS-334-1, Code 3192 — Position will be that of engineering assistant to the performing

engineers of the branch. Assistance will be provided to engineers in software development activities on the IBM 4341, VAX, SUN Workstations and IBM PC computers. Assistance will be provided in the form of software documentation updates, configuration management, support software development and F/A-18 Mission Computer Operational Flight Program coding. Elements: Experience with VAX, IBM 4341 and IBM PC; familiarity with FORTRAN, CMS-2 and assembly code; familiarity with basic computer operations and peripherals; ability to communicate well both orally and in writing. Promotion potential to DS-2.

No. 36-204, Management Assistant, GS-344-4/5/6, Code 36404 — This position is located in the Computer Aided Manufacturing Engineering Office, Engineering Prototype Division, Engineering Department. Primary duties include administering/managing CAMAN, a management data base. Duties include adding/deleting/updating information on a data bank via a remote terminal; generating a variety of recurring reports; reviewing reports to compare job estimates to actual costs; advising management of cost overruns or off-schedule conditions; working closely with division supervisors to obtain current and accurate data; assisting with design and implementation of new data base capabilities. Elements: Knowledge: of data processing principles; of the input/output data to detect errors or omissions and take corrective action. Ability: to type and utilize remote computer terminals; to prepare input data from a variety of source documents; to communicate effectively both orally and in writing. Promotion potential to GS-6.

No. 36-205, Quality Assurance Specialist, DS-1910-2/3, Code 3682 — Multiple vacancies. Incumbent will assist in the implementation of quality assurance and quality control practices, principles, methods, techniques and disciplines during the planning, design, fabrication, testing and production of weapon systems, related equipment and components. Elements: Knowledge: of quality assurance techniques; of acquisition processes. Ability: to communicate orally; to apply quality assurance specifications and instructions to government contracts. Promotion potential

to DS-3.

No. 36-206, Physical Science Technician, DT-1311-1/2, Code 36085 — The incumbent will participate in the research of materials and processes related to the assembly of electronic circuit cards. Duties include planning tests to be performed customizing the tests for the specific need, performing the tests and documenting and analyzing the test results in support of independent research projects. Elements: Knowledge: of electronics manufacturing processes; of routine analytical procedures. Ability: to communicate orally; to communicate in writing. Promotion potential to DT-3.

No. 35-067, Engineering Technician, DT-802-1, Code 3526 — The incumbent is responsible for the preparation of engineering drawings needed for branch projects, with growth in the area of electromechanical design. Job Relevant Criteria: ability to read and interpret schematics and drawings; to interpret and apply written instructions and procedures; to work as a member of a team. Promotion potential to DT-3, but not guaranteed. Status eligible may apply.

No. 39-053, Electronics Technician, DT-856-1/2, Code 3954 — Assist and/or provide direct technical support in the design, fabrication, rework and modification of electronic systems for laboratory and field test. Provide test support by preparing test equipment and participating in field and laboratory systems evaluations. Job Elements: knowledge of electronic components; ability to read schematics and engineering drawings; ability to work with small hand tools; ability to communicate effectively; certification or ability to be certified as an operator under WS6536 soldering technology. Promotion potential to DT-3.

No. 61-018, Sheetmetal Mechanic (Aircraft), WG-3806-11, Code 6132 — This journey-level position is located within the Metal Trades Section of the Engineering Support Branch, which is primarily responsible for performing metal fabrications required to adapt airborne RDT&E systems and components to various types of designated military project aircraft. The associated major duties and responsibilities of this position include individual job planning, sheetmetal layout, cutting, drilling, forming, assembly and installation of interface structures, component enclosures with and without environment isolation and retrofit hardware for presently installed RDT&E systems. On occasion the incumbent works in close cooperation with design engineers and technicians in order to facilitate product improvement or recommend alternate viable approaches for design concepts. Job Elements: 1) ability to do the work of the position without more than normal supervision; 2) knowledge of equipment; 3) ability to read and interpret instructions, blueprints and specifications; 4) knowledge of layout and pattern development; 5) ability to use hand and power tools; and 6) knowledge of materials. A supplemental forms is required. Promotion potential to WG-11.

No. 62-111, Engineering Technician, DT-802-A/1/2, Code 6221 — This position is located in the Air Operations Branch, Range Operations Division, Range Department. The incumbent controls ground access to the north ranges and the Mojave B-2 range, maintains a log of all personnel entering or leaving the ranges and their location while on the range. The incumbent assists the Air and Ground Test Conductors with coordination of ground personnel associated with test, maintains a daily record of the up-dated range test schedule, broadcasts schedule changes and must be aware of range status at all times. Knowledge: of all ranges; of proper radio and telephone communication procedures. Abilities: to deal effectively with people. Promotion potential to DT-2. Previous applicants need not reapply.

No. 62-122, Supervisory Electronics Engineer, DP-855-3, Code 62221 — This is a challenging, growth position as head of the Electronics Section in the Track Operations Branch of the Range Department. It is at the SNORT Facility and provides opportunities for the application of both management and technical abilities. The successful candidate will lead a team of skilled electronics engineers and technicians in the design and execution of a wide variety of dynamic, high priority assignments. Tasks include design and development of electronic devices and their application to measurement, recording, timing, control, data acquisition and data processing. There are also routine interfaces with contractors and with military personnel. Knowledge: of electronic instrumentation including both analog and digital techniques; of telemetry, video and communication operations; of DEC/VAX functions. Abilities: to work effectively with personnel at all levels; to communicate effectively both orally and in writing; willingness to support NWC EEO goals and policies. New supervisors will be required to serve a one year supervisory probationary period. Promotion potential to DP-3.

No. 62-123, Electronics Technician, DT-856-1/2, Code 62331 — This is a training position within the Telemetry Operations Section located in the Central Telemetry Facility. The incumbent is required to troubleshoot, maintain, install, operate and repair electronic systems including, but not limited to, data acquisition systems, digital telemetry equipment, video and voice communications equipment. This position may include design modification, fabrication and calibration of various types of electronic equipment. Knowledge: of electronic principles, digital and/or analog circuit. Abilities: use of hand tools, read schematic and engineering drawings; work as a member of a technical team; use electronic test equipment; read and understand instructions and procedures. Status eligible may apply. Promotion potential to DT-3.

No. 64-158, Aerospace Engineering Technician, DT-802-3, Code 6431 — This position is located in the Basic Design Section, Fleet Support Branch, Engineering Support Division of the Aerosystems Department. Incumbent will provide technical support for Fleet Aviation Life Support Systems equipment, primarily personnel parachutes for both emergency egress and premeditated operations and related torso restraint equipment. Technical support will consist of evaluating Fleet reported problems which infer design discrepancies, isolating deficiency, establishing fix, prototyping test sample and testing design change and implementing change to Fleet equipment. Problems may range from simple to major systems changes requiring application of various disciplines and possible to Fleet activities worldwide. Knowledge: of basic aerodynamic principles; of parachute technology and textile manufacturing techniques. Abilities: to work with both sponsor and Fleet personnel and to adapt to changing and sometimes pressure work situations. Promotion potential to DT-3.

No. 14-012, Communications Specialist, DS-393-3, Code 1423 — The incumbent oversees and directs telephone system operations and maintenance tasks. In addition, the incumbent provides assistance in conducting telecommunications surveys and studies, reviews communication service requests for telephone services, compiles reports for reviews, reviews construction projects and telephone equipment projects. Job Elements: Knowledge of a broad range of voice and data telecommunications services, switching systems, and test equipment. Ability: to recognize technical problems and to analyze potential

solutions; to establish and interpret communications policies, planning objectives, and operating and performance standards; to read and interpret engineering plans and

specifications; to communicate effectively with all levels of personnel, both orally and in writing. Position is at the full performance level.

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

No. 31-167, Secretary (Typing), GS-318-5/6, Code 31C — Provides secretarial and administrative support to the Embedded Computing Technology Office. This position is part-time NTE 20 hours per week. Promotion potential to GS-6.

No. 33-027, Secretary (Typing), GS-318-4/5, Code 3313 — The incumbent provides secretarial support to the Radio Frequency Branch. Knowledge of IBM Displaywriter desired. Promotion potential to GS-5, but not guaranteed. Status eligibles may apply.

No. 35-066, Secretary (Typing), GS-318-4/5, Code 3522 — Incumbent provides secretarial support to the Advanced Technology Branch. Knowledge of Xerox 860 desirable. Promotion potential to GS-5.

No. 61-019, Secretary (Typing), GS-318-4/5, Code 6102 — This position is located in the Aircraft Department and provides clerical support to the head of staff. Knowledge of IBM Displaywriter/Xerox Star desirable but not mandatory. Promotion potential to GS-5.

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. 35-065R, Interdisciplinary (Computer Scientist, Electronics/General Engineer, Physicist, Mathematician), DP-1550/855/801/1310/1520-2/3, Code 3511 — The incumbent will participate in the analysis, design and development of computer systems and software for real time simulations of the

HARM/LCS Weapons System. Previous experience in real time programming and/or computer systems design is desirable. To apply for this position, submit an updated SF-171 to Barry Show, Code 3511, NWC ext. 2951, ext. 279.

Recent Additions

Code	Name	Title
08	Stockdale, Sybil O.	Financial Mgt. Advisor
25255	McFarland, Janette	Contract Spec.
3109	Paisano, Janet A.	Clerk-Typist
3196	Ruiz, Estella M.	Secretary (Typing)
36253	Maegaard, Richard W.	Electronics Tech.
3661	Morgan, Beverly L.	Clerk-Typist
3682	Stites, Kirsten A.	Clerk-Typist

Recent Separations

Code	Name	Title
082	Rainwater, Gary E.	Management Analyst Sup
25222	Zellmerwoodring, M.	Purchasing Agent
3146	Bradley, Mary A.	Secretary (Typing)
3247	Orloff, Kenneth L.	Mechanical Engrg. Tech.
3413	Hoberg, Colleen S.	Editorial Asst.
3414	Alexander, Leanne L.	Clerk-Typist
3814	Battles, James W.	Research Physicist
3954	Bauer, Harvey W.	Electronics Engr.
6252	Sopp, Ruth A.	Secretary (Typing)

Cal-State B'field class schedule

The following classes are being offered this winter for the Cal-State Bakersfield Business (bachelor's degree) and Administration (master's degree) programs. To enroll in these classes, submit an on-Center Training Request (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held in class at the first class meeting. Deadline for enrolling is 10 calendar days before the starting date of the class. Although training requests will be accepted after the deadline, that date will be used to determine whether the class will "go."

BA 374: BUSINESS AND SOCIETY (5 quarter units)
January 13 - March 17, Tuesdays, 1600-2100, (1-hour dinner break), Training Center. By Professor Graves, CSB.

Scope: Focuses on the external environment within which the business firm must operate. Considers those situations where the market system fails to solve problems that society deems important. Topics include consumerism, ecology, quality of work life, ethics in business and corporate response to the environment.

NOTE: This is a required course for the bachelor's degree in Business Administration.
ADM 620: FINANCIAL DECISION MAKING IN ORGANIZATIONS (5 quarter units)

January 13 - March 17, Tuesdays, 1600-2100 (1-hour dinner break), Training Center. By Professor Evans, CSB.

Scope: The course covers the following topics: Public Sector Project appraisal, cost benefit analysis, estimating and forecasting revenues and costs; project planning and auditing; productivity measurement; debt administration; idle funds management; and decision-making under uncertainty.

NOTE: This is a required course for the MS degree in Administration and satisfies the MPA core requirement of PPA 511: PUBLIC BUDGETING.
ECON 540: THE ECONOMICS OF THE PUBLIC SECTOR (5 quarter units)

January 14 - March 18, Wednesdays, 1600-2100 (1-hour dinner break), Training Center. By Professor Falero, CSB.

Scope: An examination of the economic principles and concepts that affect the public sector in our mixed economy; specific analysis of public expenditures and taxation theory; application of cost benefit analysis to specific expenditure programs and an evaluation of the economic implication of taxation.

SOC 405: SOCIOLOGY AND TECHNOLOGY (5 quarter units)
January 12 - March 16, Mondays, 1600-2100 (1-hour dinner break), Training Center. By Professor Nyberg.

Scope: This course examines reciprocal relationships between technology and society, emphasizing the manner in which technological changes alter basic social institutions, including the family, religion and the military, and even science itself. Special attention is given to the positive and negative impacts of technology on the individual and the dilemmas posed by the creation of a technology dependent economy.

NOTE: This course satisfies General Education Goal XIII.

GENERAL COMMENTS

1. Textbooks are available at bookstores locally.
2. Job related courses other than those listed above or those offered under the contract with Cal-State Northridge or Cal-State Chico must be approved on an off-Center Training Request (DD Form 1556) before registration if NWC is expected to pay for the training. For more information contact Cecil Webb, NWC ext. 2648.

Information for Medicare beneficiaries

Medicare beneficiaries may think that once their Medicare protection starts, it will always pay first for hospital and medical bills. This isn't always true. There are times when Medicare is the secondary health insurance payer -- that is, it pays after other sources pay for services.

There are three major situations where Medicare is the secondary payer. If a beneficiary is entitled to Medicare solely on the basis of permanent kidney failure and is covered by an employer group health plan, Medicare is the secondary payer for an initial period of up to 12 months. The employer health plan pays first for kidney treatment and other health services during that time. If the employer plan doesn't pay in full, Medicare may make secondary payments to supplement the amount paid by the employer plan. Medicare becomes the primary health insurance payer at the end of the 12-month period.

Medicare also is the secondary payer for beneficiaries 65 or older who have employer group health coverage through their employer or through their spouse's employer. Under a special rule, employers with 20 or more employees must offer workers and their spouses 65 or older the same health insurance protection that is available to younger workers. The worker can accept or reject the employer plan. If the worker accepts the employer plan, Medicare becomes the secondary payer and can only help pay for any Medicare-covered services that are not paid by the employer plan.

Beneficiaries who have employer group health coverage should be sure to tell hospitals, doctors, or others who provide medical services so that the services can be billed correctly.

In addition, Medicare is the secondary payer when health care services are covered under automobile medical insurance, State no-fault insurance, automobile liability insurance, or other liability benefits are secondary to Medicare's. If the automobile or no-fault insurance refuses to pay for services, Medicare payment will be conditional. This means Medicare will make payment on the condition that the Medicare patient will refund the money if the automobile or liability insurer later pays for the service.

If a beneficiary receives Medical services as the result of an accident, he or she should tell the health care provider about the accident and furnish information about all insurance policies or other parties who may be liable for medical expenses.

Another rule beneficiaries should remember is that Medicare cannot pay for services which are payable by any workers' compensation plan, the federal black lung program, or the Veterans' Administration. Payment from these sources is considered payment in full and Medicare has no liability.

For more information about these secondary payer rules, Medicare beneficiaries should contact the Ridgecrest Social Security Office at (619) 375-7447.

By John Powers
Ridgecrest's Social Security Resident Representative

Sorry about that . . .

In last week's Rocketeer, the phone number given for receiving more information about the Learning Center was NWC ext. 2675. Unfortunately, this number was reported in error.

For more information concerning the Training Center's Learning Center, please call Marie or Chuck at NWC ext. 2451.



Personnel Development Opportunities

VMS INTERNALS I

December 8-12; Monday-Friday; 0800-1600; Training Center. By Digital Equipment Corporation
Deadline: Call NWC ext. 2359

SOFTWARE DOCUMENTATION

December 9-10; Tuesday and Wednesday; 0800-1600; Training Center. By Jim Dorrell, Code 392.

Course Objectives: This course is designed to acquaint students with documentation software for tactical embedded digital computer applications. Emphasis will be placed on the formal documentation required for applications intended for military acquisition and operation. Documentation for less formal applications of computer resources will be discussed. Topics include software types, documents, and life cycles; DOD and Navy standards; software document DIDs and CDRLs; preparation of software documents; and software baselines, quality assurance, configuration management, audits, and contractor monitoring as they pertain to software documentation. The application of MIL-STD-483, -490, -1679 and -2167 will be discussed.
Deadline: November 28

INFRARED TECHNOLOGY

December 11-12; Thursday and Friday; 0800-1600; Training Center. By Dr. Richard Hughes, Consultant.

- Scope: Topics include
1. Terminology, Definitions and Units
 2. Sources of Infrared Radiation
 - A. Blackbody and Graybody Radiators
 - B. Characteristic (line) Radiators
 - C. Sources of Background Radiation (reflected and scattered)
 3. Infrared Detectors and Sensors
 - A. Performance Criteria
 - B. Detectors by Type and Spectral Response
 - C. Imaging Techniques
 4. Noise
 - A. Noise Types and Comparisons
 - B. Measurement Techniques
 5. Atmospheric Transmission of Infrared Radiation
 - A. Characterization of Earth's Atmosphere
 - B. Absorption (quantification for key absorbing species)
 - C. Scattering Mechanisms
 - D. Calculational Techniques and Computer Models
 6. Infrared Optics, Coatings and Materials
 - A. Reflective and Refractive Optical Systems
 - B. Multilayer Dielectric Coatings (high reflectance and anti-reflectance)
 - C. Optical Transmission and Refractive Index of Materials
 7. Infrared Systems Analysis
 - A. One-way and two-way Range Equations
 - B. System Optimization and Tradeoff Analysis

- Deadline: November 26

DIGITAL IMAGE PROCESSING

December 9-12; Tuesday-Friday; 0800-1600; Training Center. By Mike Cannon, Integrated Computer Systems.

Intended Audience: Engineers, systems analysts, programmers, scientists, project leaders, and managers involved in the development, implementation, use, or marketing of image processing systems.

Scope: Provides the concepts, algorithms, and techniques of digital image processing illustrated with real-world examples of industrial, military, and medical applications. Topics include concepts and tools of image processing; digital image acquisition, enhancement, and coding; image processing software and data base structures; interactive image processing and display systems; and real-time image processing techniques.

Note: This is not an introductory-level course.

Deadline: November 21

DEALING WITH AN ANGRY PUBLIC

January 14 and 15; Wednesday and Thursday; 0800-1200; Cerro Coso City Center, Room 101. By J. Dunn.

Scope: Fundamentals of positive interactive communications and approaches to dealing effectively with angry or irrational customers or clients. Small- and large-group practice of strategies will be presented.

Deadline: December 31

TARGETED SELECTION (HOW TO CONDUCT A FORMAL INTERVIEW)

January 14 and 15; Wednesday and Thursday; 0800-1600; Training Center. By Code 09 Staff

Intended Audience: Administrative and supervisory personnel who conduct job interviews.

Scope: An interview process that has been proven as an effective system for identifying and quantifying abilities and potential abilities of interviewees using a panel-interview or individual-interview situation. The interviewer uses an interview guide that consists of legally phrased questions drawn up in advance. The questions are specifically related to the position and designed to identify the individual's potential for success. This process is valid for purposes of affirmative action and selection decisions. Supervisors who use this technique can be confident that if their selection is challenged, the integrity of the interview will stand.

Deadline: December 31

BASIC CLERICAL FORUM

January 13-16; Tuesday-Thursday; 0800-1600; Friday, 0800-1130; Training Center. By various NWC codes.

Intended Audience: Clerical and secretarial personnel with less than 1 year at NWC.

Scope: Provides clerical personnel with basic information about NWC. Topics include training opportunities; Supply; processing personnel actions; prepare with care; security; your professional image; overview of EEO; naval messages; forms, directives, and reports; and Payroll.

Note: May be used as a review course for clerical and secretarial personnel. If you want to review a particular subject, please indicate so on your training request.

Deadline: December 26

INTRODUCTION TO SUPERVISION

January 5-9; Monday-Friday; 0800-1600; Training Center. By D. Jones.

Intended Audience: First-level supervisors needing training in basic supervisory functions.

Scope: Presents the management functions of planning, organizing, directing, and controlling that will provide you with fundamental grounding in practical modern concepts of supervision. Topics include introduction, leadership, planning and organizing, problem solving and decision making, motivation, communication, resolving interpersonal conflicts, delegation, NWC personnel management, and a workshop summary.

Deadline: December 22

BETTER BRIEFINGS WORKSHOP

January 7-8; Wednesday, 0800-1600; and Thursday, 0800-1700; Training Center. By Dr. Miriam Cartwright.

Scope: This workshop will address the three goals that most people have when they give presentations: to communicate information effectively, to command the respect of the audience, and to avoid appearing nervous. Techniques will be offered that will give confidence in all three areas. The final activity is video taping, playing back, and discussing short presentations by the students. Topics include audiences, presentation goals, organization, level of detail, visual aids, making good viewgraphs, delivery, nervousness, and handling questions.

Deadline: December 24

TECHNICAL AND REPORT WRITING

January 8 and 9; Thursday and Friday; 0800-1600; Training Center. By Casey Reynolds.

Intended Audience: People who write reports, instructions, or technical material of any kind.

Scope: This workshop will help the technical writer express complete ideas in clear, understandable form. It will help the writer learn to organize ideas logically, choose precise and expressive words, devise coherent sentences and paragraphs, and present a finished product that is clear, concise, and readable. Special attention is given to the writing of instructional material and several kinds of reports.

Deadline: December 24

TECHNIQUES OF EFFECTIVE LISTENING

January 12; Monday; 0800-1600; Training Center. By Bertram Barer.

Scope: Provides all levels of personnel with the skills and principles of effective listening and memory improvement. Examines how we retain and understand information by our ability to listen actively. About 20% of class time will be devoted to memory improvement. Topics include blocking out competing messages; concentrating on messages being sent, face-to-face or by phone; transmitting effective verbal and nonverbal feedback to all levels of the organization, in person or by phone; overcoming emotional barriers to listening and memory; remembering short and long lists of data in short and long term; improving your ability to remember names of people, ideas, objects, and dates; and overcoming absentmindedness.

Deadline: December 31

WORKING EFFECTIVELY WITH PEOPLE

January 26 and 27; Monday and Tuesday; 0800-1600; Training Center. By R. Kirkham.

Scope: In this course you will receive specific tools, techniques, and approaches that will enable you to understand how false perceptions determine how people react, recognize and understand the three ego states, accept responsibility for how you feel and react, apply transactional analysis, avoid and prevent barriers that stifle effective interpersonal communication, avoid communicating negative expectations, avoid assuming ownership of problems that don't belong to you, increase your ability to effectively listen, and know how to get emotional outbursts from others under control.

Deadline: January 12

RISK ASSESSMENT FOR TMC

January 28 and 29; Wednesday and Thursday; 0800-1600; Training Center. By Troy Caver, P.E., Defense System Management College, Ft. Belvoir, VA.

Scope: This seminar will cover the background and requirements of addressing risk in systems engineering, trade-off analysis, and program reviews. Topics include the program manager's perspective of risk from perspectives broader than technical product performance; and recent contracts in high-tech areas, such as the advanced tactical fighter and the Mk 50 torpedo that have used risk management as principal pillars in their foundations. There will also be a product-initiation and transition-to-production workshop, with each student role-playing government and industry managerial positions in dealing with decisions made under risk.

Deadline: January 5

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