



SKI TIME — Sunshine and warm weather brought cross-country skiers flocking to the Mammoth Lakes area. NWC's All Faith Chapel Protestant Congregation

had a ski trip to Mammoth; some of the 35 persons making the trip took a break from skiing alongside Lake Mary.

Whiskey Flat Days on at Kernville

Kernville dates back to the 1800s when Adam Hamilton opened a saloon that consisted of a wood plank atop two whiskey barrels on a flat area near the Kern River. His establishment was joined soon with a laundry and cook shack and other buildings. The community was known as "Whiskey Flat" at that time.

Whiskey Flat Days, when Kernville celebrates a more raucous past, will be held this weekend. Events are already underway today, with the "Belle of Boothill" melodrama being shown at 7:30 tonight and a street dance at 8 p.m. at Circle Park.

Tomorrow breakfast will be served at Odd Fellows Hall from 7:30 to 11 a.m.; there'll be airplane scenic tours of the

Kern River Valley sponsored by the Rotary Club starting at 9 a.m.; an Old West shoot-out will be staged at 9 a.m., 2 and 4 p.m.; the "Coors Showdown Dancers" will perform at 9:30 a.m. and 3:30 p.m.; the "Magic Pearl Puppet Show" begins at 10 a.m., 1:30 and 3 p.m. in Circle Park; Wild West Rodeo at 1 p.m.; frog jumping races at 1:30 p.m. at Riverside Park; a free tour of the Keysville Mine at 2 p.m.; a greased pig catching contest at 2:30 p.m. in Riverside Park; "Belle of Bisbee" melodrama at 4 p.m.; and an "Old Time Fiddler Contest" at 7 p.m. that has a \$5 admission for adults and \$2 for children 12 and under.

Sunday there'll be a pancake breakfast from 7 to 11 a.m. sponsored by the Lions Club; Kern River Valley artists' breakfast

and auction at 8 a.m.; airplane scenic tours at 9 a.m.; Old West shoot-out at 9 and 11 a.m. and 3 p.m.; "Magic Pearl Puppet Show" at 10 a.m., noon and 3:30 p.m.; "Coors Showdown Dancers" at 11:15 a.m. and 3:15 p.m.; a costume parade at 1 p.m.; frog-jumping races at 1 p.m.; a free tour of the Big Blue Mine at 1 p.m.; "Whiskerino Contest" at 2 p.m.; greased pig catching contest at 2 p.m.; "Dam Dancers" at 2:30 p.m.; and "Belle of Bisbee" melodrama at 7:30 p.m.

On Monday there'll be a children's pet parade at 10 a.m. and the finals of the frog-jumping races at 11:30 a.m.

Further information about weekend events can be obtained by telephoning 376-2629.

Yosemite camps can be reserved

Those who plan to camp in Yosemite National Park can now make their reservations for campsites in this popular vacation spot through Ticketron as well as by mail reservation forms.

Yosemite Valley campgrounds and Hodgdon Meadow Campground will be on a reservation system from April 8 through November 28. Fee for campgrounds will be \$19 per night for a site in the Yosemite Valley and \$9 a night per site at Hodgdon Meadow. Reservations can be made up to eight weeks in advance.

Group campgrounds in Yosemite Valley, Hodgdon Meadow and Tuolumne Meadows will also be on a reservation system, with reservations accepted up to 12 weeks in advance. These cost \$33 per night per site.

Mail reservation forms can be obtained from the National Park Service, Western Regional Information Center, Building 201, Fort Mason, San Francisco, CA 94123 or from the National Park Service Information Office, 22900 Ventura Boulevard, Woodland Hills, CA 91364.

Museum sets annual dinner

Dr. Peter Keller, Associate Director of Public Programs of the Natural History Museum of Los Angeles County, will talk about "Gemstones and Their Origins" at the annual dinner meeting of the Maturango Museum. Although the dinner is scheduled for Saturday, Feb. 28, reservations must be made by close of business on Wednesday, Feb. 18.

The dinner will be held at the Enlisted Mess, with a social hour at 6 p.m. The three-meal buffet dinner will begin at 7 p.m., followed by presentation of awards and the talk by Dr. Keller. Final event of the evening will be a drawing for a large framed watercolor by local artist Hamil Ma.

The \$12 per person ticket will cover the cost of the evening, including dinner.

Movies

| | |
|-----------------------------------|---|
| FRIDAY, SATURDAY | FEB. 13, 14 |
| "RUNNING SCARED" | Starring Billy Crystal and Gregory Hines (Action/Comedy, rated R, 107 min.) |
| SUNDAY | FEB. 15 |
| "SESAME STREET: FOLLOW THAT BIRD" | Starring Jim Henson's Sesame Street Muppets (Comedy, rated G, 90 min.) |
| MONDAY | FEB. 16 |
| "MAHOGANY" | Starring Diana Ross and Billy Dee Williams (Drama, rated PG, 110 min.) |
| WEDNESDAY | FEB. 18 |
| NO MOVIE | Annual Soldering Seminar |
| FRIDAY | FEB. 20 |
| "THE BOY WHO COULD FLY" | Starring Bonnie Bedelia and Colleen Dewhurst (Fantasy, rated PG, 108 min.) |

Starting Time: Evening 7 pm
 (G) ALL AGES ADMITTED
 General Audiences
 (PG) ALL AGES ADMITTED
 Parental Guidance Suggested
 (R) RESTRICTED
 Under 17 Requires Accompanying Parent or Adult Guardian

★ U.S. Government Printing Office
 1987 — No. 40042

FROM _____ PLACE STAMP HERE

TO _____

Record attendance expected at annual seminar

Authorities on electronics manufacturing will present papers and technical briefs to the 800-900 expected participants in the 11th Annual Electronics Manufacturing Seminar hosted by the Naval Weapons Center Feb. 18-20.

The two and a half day seminar will feature a scheduled 19 formal paper presentations and five technical briefs on areas of current and expected interest to the electronics manufacturing industry. Tom

Hudson of the Electronics Manufacturing Productivity Facility Program Office notes this annual event provides a focal point for experts in all aspects of this field to get together and find out what's new and what problems have been encountered or solved by others in the past year.

This year the seminar has been extended another half a day to allow more time to meet and talk. Also, this year the sessions have been broken down into broad subject

areas and a panel discussion will be held at the end of each session to provide time for additional questions from those attending.

This annual China Lake seminar is seen within the industry as a chance to meet others in the same field and exchange information. Some of the information comes from the papers and some from personal interaction during the breaks. It allows industry and government representatives to discover what kinds of approaches have

been used to solve particular problems.

Formerly known as the Soldering Technology Seminar, the new name better reflects the areas covered. Soldering remains a vital part of electronics manufacturing and of this seminar, but the program has been expanded to cover many other related areas of interest.

At the seminar, participants can openly

(Continued on Page 2)

New facility generates TD Award for Armogida



INTERESTING DEMONSTRATION—Gerry Schiefer and Capt. John Burt watch as Tom Reese demonstrates the Strike Electronic

Warfare Simulator. Frank Armogida holds the Technical Director's Award that he has just received for his work with SEWS.

Successful completion of the Strike Electronic Warfare Simulator (SEWS) prototype phase within schedule and cost led to a Technical Director's Award for Frank Armogida, general engineer in the Systems Sciences Division of the Electronic Warfare Department.

As Gerry Schiefer, NWC Technical Director, presented the award, he noted that getting this assembled within a year of getting the funds for it was a remarkable accomplishment for Armogida and his team.

According to the letter of nomination written by Paul Homer, former head of Code 35, the SEWS facility represents a major milestone in the development of state-of-the-art computer and software capabilities for detailed effectiveness evaluation of EW equipment. OPNAV intends to use SEWS to determine effectiveness of proposed EW equipment before entering full scale development of such equipment.

The prototype SEWS that was successfully demonstrated to OP-956 resulted from an effort including design, test and validation of a risk reduction program; design and test of a prototype executive for distributed processing of future SEWS digital simulation; purchase and integration of a large computer facility for SEWS; and facility design and construction.

On receiving the award, Armogida told his team that "You should really have received this because your work made it possible. We've had a real exciting year — and we've another one coming up."

Schiefer responded that accomplishing a task does indeed take good team members, but it also takes a good team leader who deserves recognition for a task well done.

Armogida, who holds a degree in engineering from Florida Atlantic University, has been a China Lake employee since 1965.

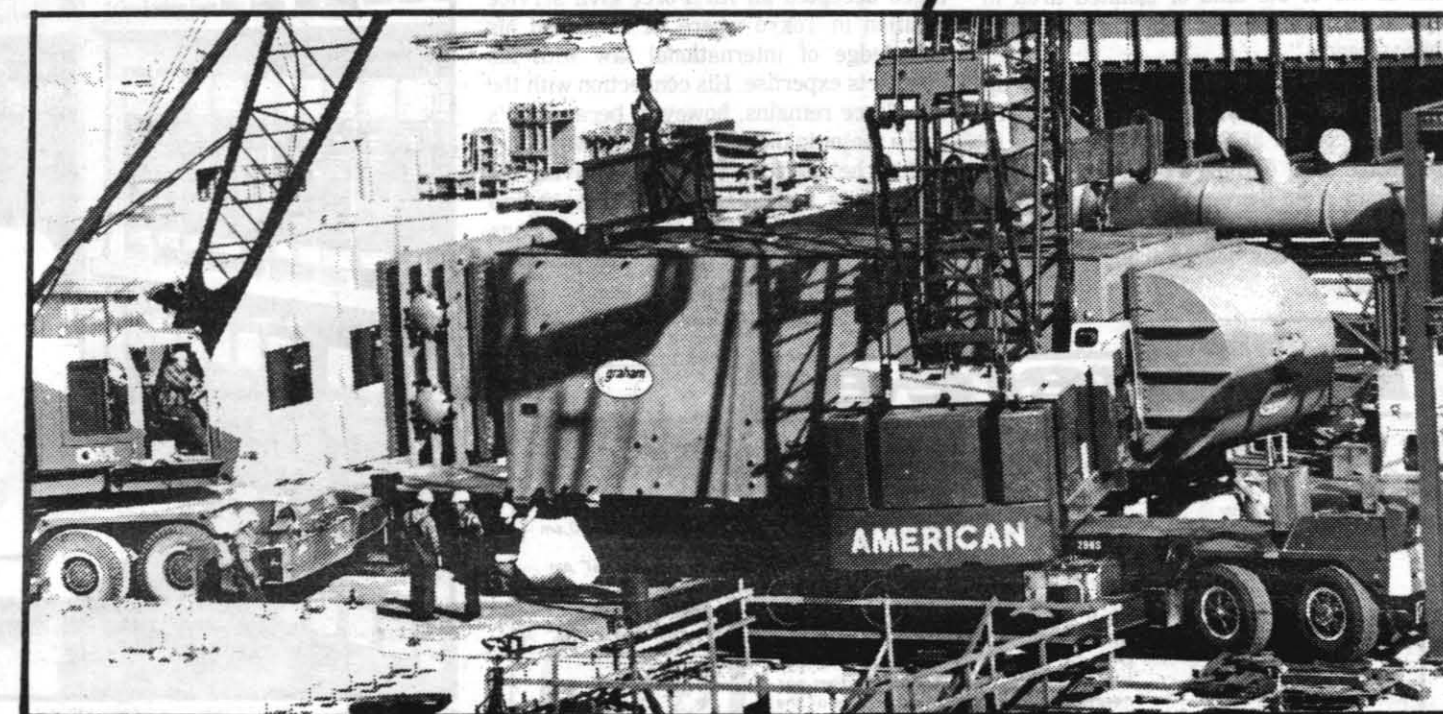
Construction site hums with activity

Construction workers are swarming over the metal and concrete foundation of the first geothermal energy plant being built on Naval Weapons Center land. The 25-megawatt plant is expected to go on line in June of this year. A massive 200,000-pound condenser for the plant is the latest piece of major equipment to arrive and be put in place.

Dr. Carl Austin, head of the Public Works Department's Geothermal Program Office, said the Center recently received final approval for the final portion of the power transmission line and it is now under construction. He also noted a new electric substation is being built by Southern California Edison near Inyokern to handle the power generated by this project.

Ground was broken in March of last year for the plant, estimated to cost \$51 million, none of which is Navy money. The entire geothermal development has been underwritten by private sector investment. The Navy provides the geothermal resource and the private sector the money to develop it.

Construction of the gathering lines for
 (Continued on Page 7)



HEAVY LOAD — It took two massive cranes to maneuver this 200,000-pound condenser for the first geothermal energy power plant at NWC's Coso

Geothermal Site late last month. The formidable piece of equipment is the latest to arrive at the plant. Energy production should begin at the plant this summer.

Meeting planned

Those who are interested in water problems of the local area are invited to attend a dinner meeting sponsored jointly by the High Desert Engineering Association and the American Society for Public Administration on Wednesday, Feb. 25, at the Commissioned Officers' Mess.

Representatives of four agencies dealing with water will hold a forum following the dinner.

The dinner will begin at 7 p.m., followed by the discussion. Tickets cost \$12, including dinner. They may be purchased from Ramesh Ajmera, NWC ext. 3588 or Stacey Howard, NWC ext. 7517.



| | Max | Min | Peak Gust | Precip |
|--------|-----|-----|-----------|----------|
| Fri. | 73 | 31 | 21 knots | - |
| Sat. | 74 | 40 | 17 knots | - |
| Sun. | 73 | 30 | 6 knots | - |
| Mon. | 73 | 46 | 19 knots | 0.01 in. |
| Tues. | 72 | 40 | 9 knots | trace |
| Wed. | 71 | 38 | 7 knots | - |
| Thurs. | 70 | 38 | 27 knots | - |

All measurements are made at Armitage Airfield.



Parents and concerned adults are invited to attend a free panel discussion on teenage stress and depression that will be held on Thursday, Feb. 26 at 7 p.m. at the Monroe Junior High School cafeteria in Ridgecrest.

Panel members include Dr. James Simmons, Chief of Child Psychiatry at U.C.L.A. School of Medicine and consultant to Desert Counseling Clinic; Dr. Larry Cosner, from the Drummond Medical Group; Laura Hickie, Jane Woodward and Shari Rosenberg from the school counseling staffs; and a staff person from the Desert Counseling Clinic.

Questions and a discussion will follow the presentation. The presentation is sponsored by the Breakfast Exchange Club of Ridgecrest, Desert Counseling Clinic, Sierra Sands PTA Council and the PTAs of Burroughs, Monroe and Murray schools.

Those who visit Death Valley this weekend will be able to take in a tour of Scotty's Castle at half price, a mere \$2 for general admission and \$1 for children aged 6 to 11 and those over 62. Children age 5 and under are admitted free.

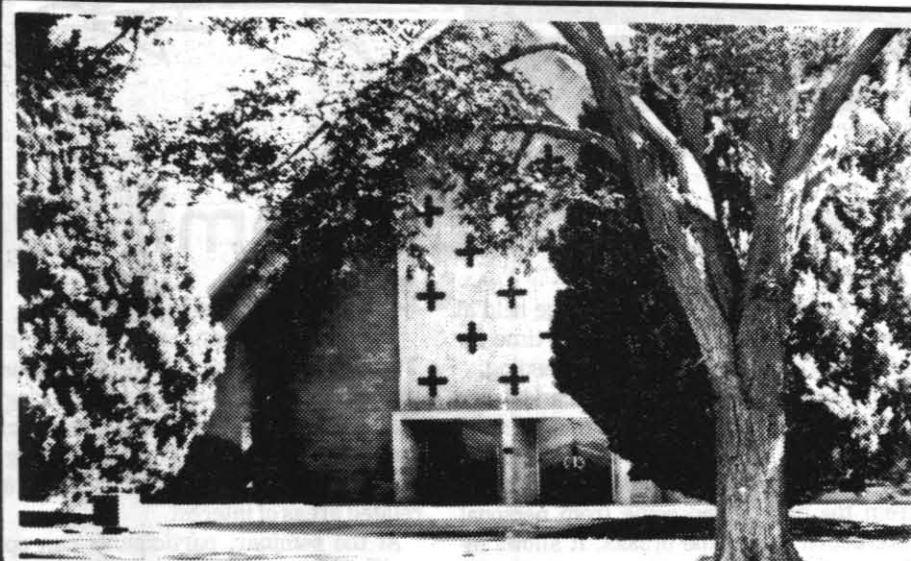
The tours will run every half hour from 9 a.m. to 5 p.m. on the three-day weekend. The tours have been shortened during this weekend so that more people will be able to go through Scotty's Castle over the holiday.

Friday, February 27, is the date for the annual art exhibition and auction sponsored by the Women's Auxiliary of the Commissioned Officers' Mess.

For sale will be lithographs, watercolors, serigraphs, etchings, embossed engravings and original oils by artists as noted as Rockwell, Dali, Chagall, Calder, Boulanger, John Kelly and others. Each certified, custom-framed work of art carries a 15-year exchange privilege.

Cost of the original art works run from \$35 to several thousand dollars; on investment art, an extended payment program is available with no interest charged.

A preview showing begins at 6 p.m. with the auction beginning at 8 p.m. There'll be a cheese and wine tasting and hourly door prizes. A donation of \$1 is asked from all attendees.



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

IWVARC has annual dinner

Today is the last day to make reservations for the annual installation dinner of the Indian Wells Valley Association for Retarded Citizens that will be held on Thursday at the Enlisted Mess.

Chamber music will be played during a no-host social hour from 6 to 7 p.m., which

will be followed by dinner at 7. The evening will conclude with installation of officers and entertainment. Cost of the evening is \$10 per person, including dinner.

Reservations can be made by telephoning 375-9787.

New Associate Counsel likes desert atmosphere

Being able to see a blue sky, driving to work without a lot of traffic and living in an uncrowded area appeals to many local residents, but John Unpingco, the new Associate Counsel for NWC, is especially appreciative of all of these.

He's most recently been working in Tokyo as an international contracts specialist for the Air Force; Tokyo has dense smog, dense crowds of people and unbelievable traffic problems. "Coming to the Indian Wells Valley," he says, "reminds me of the kind of isolated area in which I grew up; I feel very much at home here already."

The isolated area in which he grew up was his native Guam. Unpingco left there to go to college at St. Louis University in Missouri. After earning a bachelor's degree in history from there, he then went to New York City where he got both an MBA degree and a law degree from New York University.

Service in the Air Force as a JAG (Judge Advocate General's Corps) enabled him to get a graduate degree in law as well, he says, because the Air Force handpicked a dozen JAGs to study international law at Georgetown University in Washington, D.C.

"The selection process was very competitive, but the result was good," he says. "It was very enjoyable to just be able to go to school without having to worry about working for a living while I was doing it."

After 8 years of active duty service, Unpingco accepted an Air Force civil service position in Tokyo where he combined his knowledge of international law with his contracts expertise. His connection with the Air Force remains, however, because he's still a major in the Air Force Reserve.

Here he's looking forward to having his wife, Annie, and his two sons, Chris, 10, and Mar, 3, join him. His wife is a marriage counselor; she plans to continue that profession when she moves here.

Soldering seminar . . .

(Continued from Page 1)

discuss issues and share ideas. They are all working toward a common goal, improvement of this nation's electronics industrial base. The event is open to industry, government and academia as a forum on electronics manufacturing technology.

NWC employees can attend and receive training credit by signing registration forms. No advance reservations are necessary to attend any of the seminar sessions. With the sessions broken down into particular focus areas, organizers feel it will be easier for those attending to hear the papers and discussions on topics of most interest to them.

The seminar opens with registration starting at 7:30 a.m. Feb. 18. Harold Peacock, EMPF head and Chris Peterson, head, Soldering Technology Branch will present an introduction starting at 8:30 a.m. in Center Theater.

Opening the formal presentations will be a session of "materials and cleaning process." Papers or technical briefs will be presented by Donald A. Elliot and John Gileta of Electrovert, Ltd.; Wesley Archer and Tim Cabelka of Dow Chemical; Bill Kenyon of DuPont, Jack Brous, of Alpha Metals and John A. Nagy Jr., of Beckman Industrial Corp.

The afternoon session will be on "current processes." Leading this topic will be Eddie Law of Northern Telecom; Rex Breunsbach of Electronics Control Design, Heino Paschschwoll of ZEVA, GMBH; Mark Cowell of METCAL and Richard O.

Johnson of Hexacon Electric Co.

"Inspection" will be the topic the morning of the second day. Presentation will be made by Michael Juba and Joseph Donahue of Photonic Automation, Inc.; T.D. Doan J. Escarcega, Jr. and N.T. Tran of Hughes Aircraft, Radar Systems Group; Douglas H. Ensign of Litton Guidance and Control and Jim D. Raby of Soldering Technology International Inc.

Presenting papers on "solderability" in the afternoon session will be John Mather and James Wooldridge of Collins Defense Communications; John A. DeVore of General Electric; Earl F. Lish and John O. Weber of Martin Marietta; Roger Wild of IBM and Richard S. Murphy of GTE.

Closing out the seminar will be presentations on "new processes," the morning of Feb. 20. Delivering papers will be Herbert B. Ellis of Aerojet ElectroSystems Co.; David L. Yenawine, W. Michael Wolvert, David Spitz, Alan Burkett and William Russell of Texas Instruments; Joseph Hoyt of AMP, Inc.; Joachim Bronder of Norden Systems, Inc.; Andrew W. Fisher of Texas Instruments; D.K. Pai of Control Data and Daniel A. Fazekas, Assistant Secretary of the Navy, RM&QA who will report on a survey of soldering problems observed in Navy weapons system, their cause and prevention.

In addition to the seminar program, informal tours of the Electronics Manufacturing Productivity Facility and the Center's Soldering School will be held on Feb. 17 and Feb. 19.

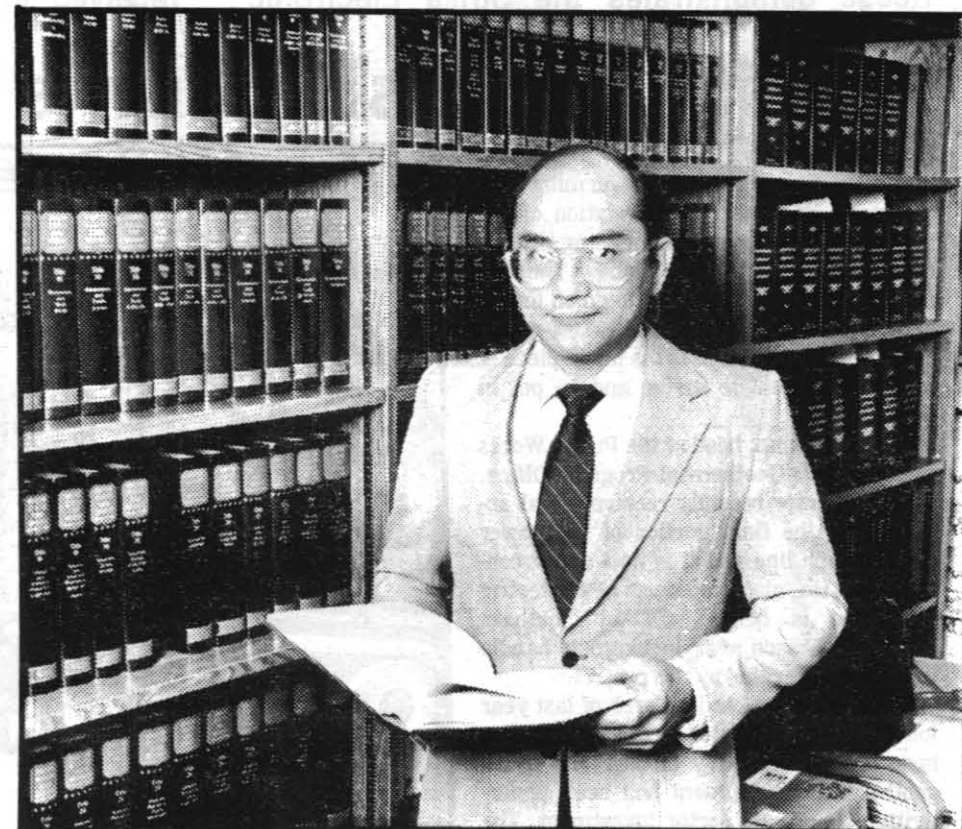
Ampex slates trade show

All interested personnel are invited by the Ampex Corporation to attend a technical presentation of the Ampex Digital Cassette Recording System to be given on Thursday, Feb. 19. The presentation will be made at the Carriage Inn, 901 N. China Lake Boulevard from 4:30 to 7 p.m.

Those planning to attend are asked to

make a reservation by telephoning Elaine at (800) 233-7314.

Ampex Corporation says that the DCRSi is the first production digital cassette recorder offering variable input data rates of up to 107/megabits/sec. and record time of an hour or more.



NEW ON BOARD--John Unpingco, now Associate Counsel for NWC, checks a law book in the Counsel's Office.

Geothermal plant . . .

(Continued from Page 1)

steam and water is now underway. This is the most labor-intensive portion of the project. Later this month the 25-megawatt turbine generators should be delivered by Mitsubishi Heavy Industries, America, Inc.

Construction has been scheduled around the Center's need for testing on the ranges with no disruption of NWC's mission schedule. The Navy is expected to realize about \$20 million in energy savings over the next 10 years through the successful harnessing of the Coso field.

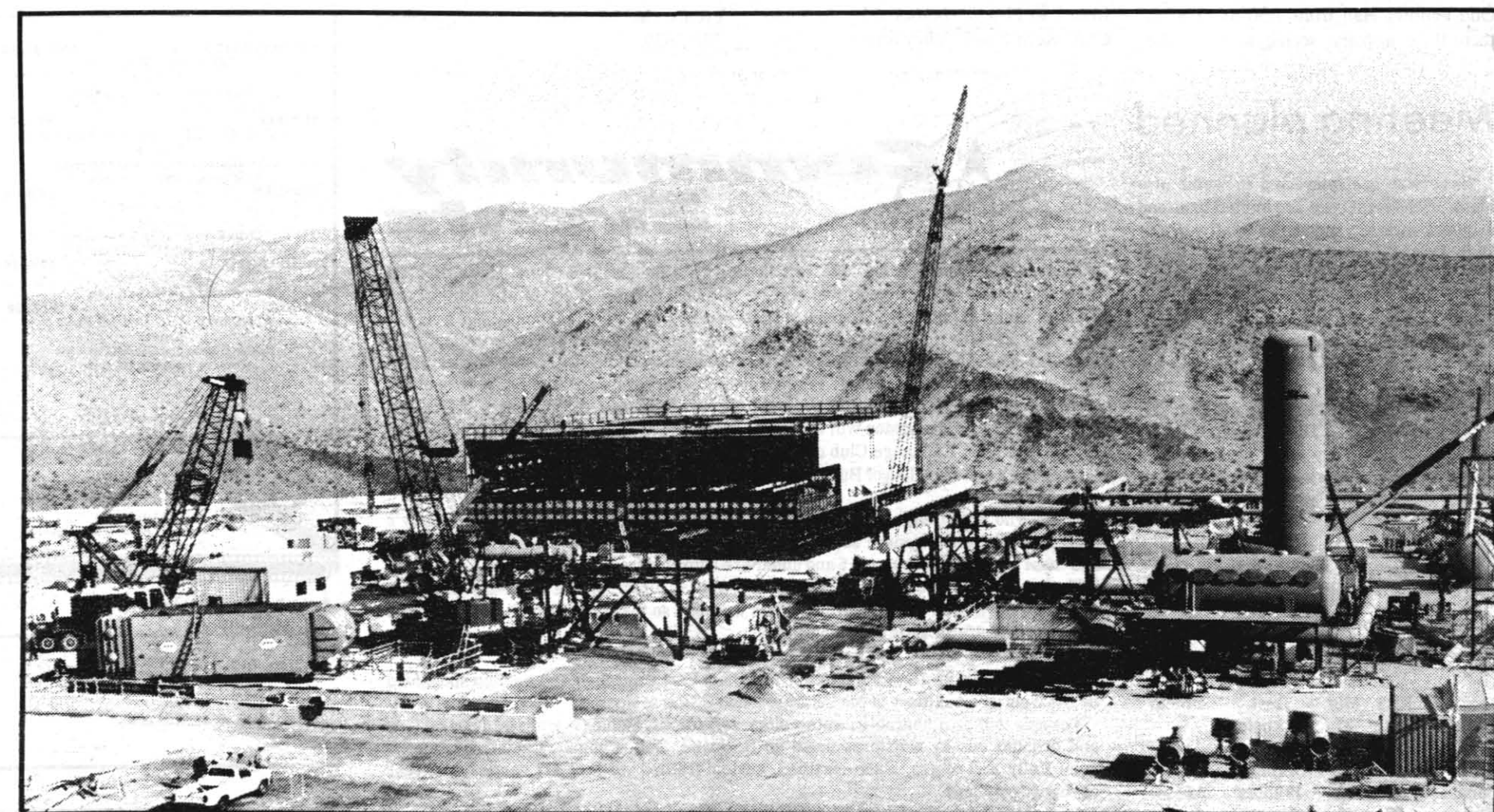


NEW WELL — Drilling for a new production well at the Coso Site is well underway. The drilling rig is framed by the pipeline that will carry geothermal steam to the power plant and clouds of steam generated by the drilling process.



Photos by Steve Boster

MAMMOTH CONDENSER — Tipping the scales at 200,000 pounds, the geothermal power plant condenser dwarfs the men who work on it as it waits to be mounted on a massive concrete foundation. It took two tractors and a total of 84 tires on the ground to move this formidable piece of equipment to the Coso Geothermal Site late last month.



POWER PLANT — Under the direction of the Guy F. Atkinson Co., prime contractor for construction of the Coso Geothermal Power Plant,

work is progressing toward bringing power production on line in June of this year.

NWC Rocketeer

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Fierce competition highlights youth hoop play

Competition was fierce last week for the Youth league basketball teams.

Senior Division

Mavericks 65, Kings 28
Jeff Smith and Ronald Schiller, with 16 points each, were high scorers for the Mavericks. Kris Meraz notched 11 points, Aaron Drybread chipped in 9 points, and Troy Perkins contributed 7 points in the win. Griff Davies and Ted Ingle dunked 8 points each for the Kings with Alex Beltran, James Chestnut, Tim Seufert and Cory Moorehead adding the additional points in the loss.

Bullets 56, Clippers 53

In a hard fought game, Kelcey Newman, Richard Staples, and Brian Staples slammed in 12 points each for the Bullets. Gregory Parish chipped in 7 points and Patrick Adams got 6 markers in the win. Clinton Parish, Stephen Brown and Perry Decker also scored. Clippers' Seth Laborde and Chris Armstrong, credited with 15 points each, were high scorers. Perry Martinez chipped in 10 points, Scott Arts had 8 and Michael Moffitt and Christy Chestnut had a total of 5 points.

Junior Division

Lions 30, Eagles 27
Slamming in 24 points, Dwight Mason led the Lions in the win. Wally Mercado notched 4 points and Donn Goodman sank 2. The Eagles did not turn in a score sheet.

Jazz 41, Hawks 18

It was an easy win for the Jazz with Phillip Johnson slamming in 14 points, Darrell Eddins, Jr. dunking 13 points, Chris Fisher notching 12 points, and Amy Hamrick tallying 2. Scott Ross sank 8 points, Beau Arnold made 4 and Patrick Rindt and Natalie Noel each added 3 points in the loss.

Clippers 50, Pacers 50

Despite the hard and fast action, neither team could get the winning point. Sean Gilbreath marked 28 points for the Clippers with Clark Wilson tallying 10 points, Jeremy East had 6 points and Clay Wilson, Michael Sieg and Quannah Driver had 6 points. Scott Hansen led the Pacers with 28 points. Jeremy Pierce contributed 10 points for the Pacers with David Moreno scoring 4 points and Joseph Hibbs, Michael Larson, Adam Plugge and Amer Saleem added 2 points each.

Intermediate Division

Pistons 41, Huskies 27
Damon Kelling paced the Pistons with 25 points. Gregory Laponte sank 8 points,

while Brian Dodderer notched 4 points and Sean Williams, Joseph Mechtenberg and Bree Lewis added 4 points for the win. Jesse Jones was the tops in the loss with 13 points and Kevin Self scored 10 points. Mic DeMin and Bryan Booth scored 2 points each for the losing team.

Nuggets 24, Rockets 22

James Benadom, Jason Duff, Chris Williams, Danny Kamben and Jason G'hormley scoring 9, 7, 4, 3, 1 points respectively, helped the Nuggets win this hard fought game. Despite Jonathan Moffitt's 12 markers, the Rockets couldn't carry the game. Joey Ernst, Hugo Mantes, John Hutmacher, and Jim Randolph scored 5, 2, 2, 1 points respectively in the loss.

Cliffs 36, Spurs 32

Josh Moorehead led the Cliffs with 17 points. Tory Flores notched 7 points, Brian Hire 6 points and Larry Reeder and Howard Gamble added 6 points in the win. Spurs' Dennis Sarrett was the high scorer with 18 points. Seth Rivers tallied 4 points and Keith Parris and Nicholas Barkemeyer each had 2 for the losers.

Celtics 24, Flames 23

Celtics' Carl James led the game with 11 points. Scott Foremaster aided the win with 6 points while Charles Rouland, and Jeff Hopper each added 2 points. Jeff Brown added the final point. Flames' scoring was pretty even with Greg Greedy and Aaron Schwartz each scoring 6 points, William Irvin marking 5 points and David Davis tallying 4 points. Tristan Smith contributed an additional 2 points.

Instructional

Stars 21, Bulls 16

Dan Hartley paced the Stars with 13 points, but was aided with the win by Ed Guerra and Willie Reymond tallying 4 each. In the loss, Neil Underwood notched 8 points and Raymond Gonzalez and Jonathan Michelson sank 4 points each.

Suns 22, Nets 2

With only 2 points scored for the Nets by Tim Clark, the Suns had an easy victory. Chris Branson slammed in 16 points, and Angie Dominquez, David Featherston, and Lacey Cordell added an additional 2 points each.

Runners 26, Jets 14

Easy winner over the Jets, the Runners were paced by Louis Moore with 14 points. Tony Domingues and Mat Girodot scored 6 points each. Daniel Kelling notched 5 points, Michael Ross marked 3 points and Patrick Ross, Kevin Cornett and James Heuman each tallied 2 points in the loss.



Sports

Tennis club eyes members

Members of the China Lake Tennis Club will host its annual membership night at the Heritage Village Club House on Thursday, Feb. 19 at 7 p.m.

Officers will be elected for 1987 and the night will feature a special celebration for Fred and Ester Hagist. They will be honored for their years of service to the club and NWC's Recreational Services Department.

The tennis club sponsors six tournaments a year, ranging from matches for fun to competitive open events that attracts players from a wide area.

There is a \$12 annual membership fee for one person or a \$17 family membership for those who join or renew their membership at or before the annual membership meeting.

Slow-Goers retain lead

Sporting a 6-2 record, the Slow-Goers maintained their hold on first place in the NWC Intramural Basketball League's "B" Division this week. Texas Instruments is now in the number two slot with a strong 5-2 record.

Five teams are now locked in a third place struggle with identical 5-3 records. De Burns, Pearson's, Appaloosa Homes, Desert Motors and K.Z. Kondors are seeking the number three spot. Three other teams are tied with 4-5 records while Ford Aerospace is all alone in the division cellar at 1-6.

OTHTC set for contest

Runners will take advantage of a fast, flat course as they run the Over-The-Hill Track Club's annual President's Five and Ten Kilometer Run tomorrow (Saturday).

Both runs start from the NWC Gym at 9 a.m. T-shirts are awarded to all finishers along with awards for age group runners. The entry fee is \$7 for OTHTC members and \$9 for non-member entrants.

Fishing doldrums frustrate anglers

Fishing is still in the doldrums at Lake Isabella and in the Kern River. Trout were planted in the Kern, both above and below the lake, but only a few of the planted trout were taken and those were mainly at Hobo, Democrat hot springs, and Sandy Flat.



The Skipper Sez...

QUESTION

Military - Yes, I am a military member and a jogger. I was wondering why there is no bathroom facility out by the stables. We jog the road and we turn around and come back. I have noticed there is no facility out there. Is there a reason for this? Also, there is water running out there quite a bit. I thought someone should know about it so it could be fixed. Thank you.

ANSWER

The chemical toilet located out at the stables was beyond repair and was replaced by Public Works in late December. However, as published in the Skipper Sez this past summer, the stables are off limits except for people with horses at the stables or people on official business.

The water faucets are set to drip to prevent freezing. Also, the stalls are watered to keep the earth damp for the health of the horses' hoofs. If you note excessive water running or major leaks, please notify Carol Hape at the Hobby Shop, NWC ext. 3252.

QUESTION

Hi, Skipper. The parking lot north of Mike Lab and east of the Engineering Building was resurfaced during September and October. The asphalt ridges that separate the parking lot from the road are safety hazards after dark because they are the same color as the road and you cannot see them. I would like to see the top and edges of these ridges painted a fluorescent color to eliminate any potential lawsuits against the Center due to stumbling or tripping over them. Thank you very much.

ANSWER

The Safety Department checked the situation you described and agreed that it was a safety hazard. The curbs have now been painted.

All China Lakers, including military personnel, civilian employees and their dependents, are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. 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.

Security discussed

Naval Security Group (NAVSECGRU) representatives will give two presentations on modern telephone security hazards on Tuesday at 9:30 a.m. and 1 p.m. in the Michelson Laboratory auditorium (Room 1000D). The presentations are unclassified and all Center personnel are encouraged to attend.

NAVSECGRU representatives will explain security hazards associated with modern telephones and their ancillary equipment such as speakerphones. They will discuss the various ways that these weaknesses can be exploited by hostile intelligence services and terrorists. Damage that can result to national security from

poor telephone security will be illustrated with specific examples.

Countermeasures to reduce risks associated with telephones and telephone systems will be discussed and questions from the audience are welcome.

Program managers and others whose work involves classified and/or sensitive unclassified information are especially encouraged to attend because the presentation is of significant value in defining the telephone threat for Operations Security planning.

Further information can be obtained from David McFadden, Operations Security, Code 2409, NWC ext. 3521 and 3522.



CIVILIAN AWARD — Capt. John Burt, NWC Commander, pins the Navy Meritorious Civilian Service Award on Dr. Ed Kutchma, head of the Electronic Warfare Department. As his wife looked on, Kutchma was honored for his work as head of the Aircraft Weapons Integration Department.



SPECIAL HONOR — Paul Homer received the Navy Meritorious Civilian Service Award from Capt. John Burt, NWC Commander. Homer, now head of the Aircraft Weapons Integration Department, was presented the award, while his wife looked on, for his efforts over the past 24 years at NWC, including work as head of the Electronic Warfare Department. — Photo by PH2 Rick Moore

Homer's work honored

Service to the Naval Weapons Center as head of the Electronic Warfare Department and other positions of responsibility for the past 24 years brought the Navy Meritorious Civilian Service Award to Paul Homer last week.

Homer, now the head of NWC's Aircraft Weapons Integration Department, received the award, the highest the NWC Commander can authorize, at a meeting with many of those he had supervised as the head of Code 35.

Capt. John Burt, NWC Commander, in presenting the award said he wanted to "recognize the work you've done, not only at Code 35 but for your work throughout the Center."

In the letter of nomination for this prestigious award, Homer was commended for distinguished service "as a first-rate weapons analyst contributing to the success

of programs such as Bigeye, Condor, AV-8A, A-6E/A-7E Tram and Shrike and a nationally recognized expert in the field of munitions effectiveness."

He was also credited with bringing about increased technological capabilities for the Electronic Warfare Department by increasing its scope of involvement in the electronic warfare arena and emphasizing simulator development and threat evaluation to improve and accelerate development of realistic training for the fleet.

Homer said the award had been totally unexpected. "The surprise makes it even better," he said of this honor. He also noted the award was possible only because of the people in Code 35.

Recognized as an innovative manager, Homer's perseverance and support helped make numerous technical advancements possible during his nearly five-year tenure, according to the nominating letter.

Kutchma gets award

With the help of a strong management team, Dr. Edward Kutchma presided over a period of growth in the Aircraft Weapons Integration Department that helped bring him the coveted Navy Meritorious Civilian Service Award last week.

Capt. John Burt, NWC Commander, presented the award to Kutchma, now head of the Electronic Warfare Department, at a meeting in the Weapon System Support Activities facility at Armitage Field last Friday.

Kutchma said he wanted, in particular, to thank the people of Code 31 who made it possible. "This just reflects the work done by the people in the department," he added.

The letter of nomination pointed out Code 31 had gone from a staffing level of 269 in 1982 to a peak of 460 last year and in funding from \$47.6 million in 1982 to \$128.9 for the current year. "This tremendous growth

was made possible by Kutchma's innovative management techniques, aggressiveness, competence and personal contacts," said the letter.

Examples of his leadership and management expertise included: promotion of a very aggressive recruiting program, stressed utilization of networked personal computers as an engineering management aid, encouraged training of all employees, particularly in computer sciences, holding frequent meetings to develop excellent communications and rapport with his managers and enforced the full intent of software development standards across department program.

Capt. Burt told him "you have provided good leadership to Code 31 for many years" as he presented the highest award the Naval Weapons Center Commander can approve.

Card billing errors made

Washington (NES) . . . When an error occurs on a credit statement, put your complaint in writing and send it to the address provided by the credit card company for billing errors. The complaint must be sent within 60 days of receiving the bill and should include name and account number. State the amount you're disputing and request evidence of the charge. Make copies

of what you send in with your complaint.

While the dispute is being investigated, you're not obligated to pay. If the creditor later tells you the charge was an error, the creditor must refund the charge to you. If you're in error, you can be required to pay the amount immediately, plus an additional finance charge for the delay.

Volleyball season nearing

Varsity volleyball action at the Naval Weapons Center will begin with tournament play at Vandenberg Air Force Base on Feb. 28. Members of the NWC teams practice every Monday at 7 p.m. Men's and women's teams are open to all military and DOD personnel at NWC. For information on the varsity program call the Center's Sports Office at NWC ext. 2571.

The tourney at Vandenberg AFB opens Mojave Desert Interservice League (MDISL) play for men. On March 7-8, the women will begin MDISL play with their

tourney, also set for Vandenberg.

Wednesday, Feb. 25, Sports Office representatives will hold a planning session for the 1987 NWC Intramural Volleyball season in the gym at 4:30 p.m.

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)



EFFORTS APPRECIATED--Dan Banks (far left) and Brenda Blowers, civilian employees of NWC, and Marine Corps personnel who participated in the Toys for Tots and Salvation Army holiday basket program have just been given certificates and engraved tambourines for their work. They are joined by

Thom Boggs, Chairman of the Salvation Army's Ridgecrest Service Extension Unit, who made the presentations; Capt. Paul Valovich, NWC Chief Staff Officer; and Joe Posillico, Service Extension Director for the Northern California-Nevada Division of the Salvation Army.



China Lake Police Reports

Vandals damaged the rear wheel of a boy's bike parked at Murray Junior High School.

Unknown persons took a woman's purse from the B Capehart housing area. This is reported as a petty theft.

Three digital multimeters and one digital capacitor were removed from Lauritsen Laboratory, clearly a case of grand theft.

Unknown persons removed the engine from a rock and slab saw.

The victim reported that someone removed the rear license plate from his vehicle while it was parked near Hangar 1 at the airfield.

China Lake police assisted the Kern County sheriff's office in serving civil papers to an individual at the airfield.

A vehicle westbound on Sky Hawk Road struck a second vehicle. Both suffered minor damage.

Early Saturday morning officers made a traffic stop on Knox Road and found the driver to be driving under the influence of alcohol. The driver was taken to the China Lake police station, spent several hours sobering up, and then was cited and released.

Officers took an arson report in the Site B Capehart housing because unknown persons started a fire in the grass at the fence area of a residence.

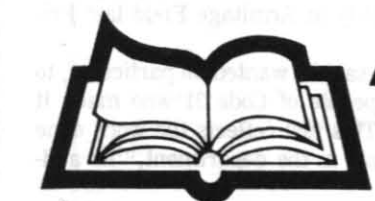
Unknown persons broke a radio antenna of a car parked in the Site B Capehart housing and placed a large screw against a tire while the vehicle was parked, which caused a flat tire.

During a traffic stop made on a vehicle at Knox and Bowen, officers found that the driver was under the influence of alcohol. The driver was arrested, spent five hours at the station sobering up, and then was cited into East Kern Municipal Court.

Vandals hit a sliding glass door in the Site B Capeharts with an unknown object, causing it to shatter.

A subject identified as someone on the "stop" list drove aboard the Center. The individual was arrested and cited into United States District Court.

When a domestic dispute occurred in the Old Duplex housing, China Lake police were called to keep the peace. Officers advised the husband and wife involved to seek legal counsel.



NOTS/NWC Pages from the Past

When the traffic circle at the intersection of what was then Halsey and is now East Inyokern Road and Knox Road was completed in October 1952, it was named "Switzer Circle" in honor of the third Commander of the Naval Ordnance Test Station (now NWC).

A 1921 graduate of the Naval Academy, Rear Admiral Switzer had a distinguished record of service during World War II. One of his commands then--the aircraft carrier Wasp--is also commemorated by having a street at China Lake named in her honor.

RAdm. Switzer was both a naval aviator and completed a postgraduate course in ordnance engineering; the combination made him especially valuable as a NOTS

China Lake police arrested an individual for a burglary on Herbert Street. The suspect was booked into Ridgecrest jail.

Unknown persons took two spark plug wires from the engine of a camper parked at the BEQ parking lot.

At Murray Junior High School unknown vandals tampered with the victim's bike while it was parked.

While approaching Inyokern Road on Lauritsen, the driver of a single vehicle southbound tried to stop for the vehicle in front, swerved to the right, and struck and obstruction, causing damage to the vehicle.

Whoever lost a key on the road to the stable can claim it at the China Lake police station.

Commander. He took over that job in October 1947, and was relieved on Sept. 23, 1949.

RAdm. Switzer's tour was noted for the exceptionally harmonious working relationship that he established with Dr. L. T. E. Thompson, then Technical Director. His subtle management style, calm approach to problems, and high degree of smooth diplomacy endeared him to both military and civilians.

His knowledgeability and expertise was well respected in Washington as well as at China Lake. During his time at the helm, technical programs gained a dramatic impetus.

After leaving China Lake, he rose to the rank of Vice Admiral before he retired from the Navy in 1959.

Marines get tambourines

Their efforts to help brighten Christmas for local children brought thanks from the Salvation Army to a group of Marine Corps personnel and two Center employees at a ceremony held in Captain Paul Valovich's office.

Thom Boggs, Chairman of the Ridgecrest Salvation Army Service Extension Unit, was joined by Joe Posillico, Service Extension Director of the Northern California-Nevada Division of the Salvation Army, in making a presentation of tambourines, inscribed appropriately, to those being honored.

The Marine Corps personnel and civilian employees were also given certificates of appreciation and letters were sent to their personnel files.

Boggs expressed special appreciation to Brenda Blowers for serving as overall coordinator for the holiday basket program through which 73 donors (groups and individuals) provided 233 Thanksgiving baskets and 81 donors provided 266 Christmas baskets. Forty-three percent of the baskets provided were given to senior or disabled citizen households.

Dan Banks was honored for his coordination between the Marine Corps and the Salvation Army in the Toys for Tots campaign that provided toys for 275 local children under the age of 12 in 1986 and 222 local children received toys in 1985.

Regarding the Marines, Boggs added, "I can't say enough for these men from the Marine Corps Liaison Office and VX-5 who participated. These even included an entry in the Christmas Parade as well as helping with the establishment of wide-spread donation locations. A lot of children had a much happier Christmas because of all your efforts."

Capt. Valovich, NWC Chief Staff Officer, joined by expressing the appreciation of the Center to those honored. He noted that "The most valuable thing you have to give during the hectic time of holidays is your time in helping others."

Major James Fortune accepted the symbolic tambourine for the Marine Corps personnel.

Marines who received certificates included 1st Sgt. Richard Zink, Master Sgt. Ed Alba, Gunnery Sgt. Bil Conner, Gunnery Sgt. Bob Turpin, Gunnery Sgt. Al Bucharelli, Cpl. Jose Magana, Lance Cpl. Karl Riddleberger, Lance Cpl. Ralph Llanas and Lance Cpl. Michael Whalen.

GEBA/CLMAS offers help

When a death occurs in a family, often the most immediate need is for cash on hand to cover urgent needs. To meet such a need, benefit associations or mutual aid societies have been developed.

Membership is still open for Navy employees and their spouses and contract employees and their spouses in the Government Employees Benefit Association/China Lake Mutual Aid Society. Cost of initial membership is \$5 per person.

At the time of the death of a member, the survivors are presented a check for \$1,500, usually within 24 hours of notification of death to the treasurer of the GEBA/CLMAS. The funds for this are generated by asking each member to contribute \$1.80 per assessment.

Since some members pay their assessments in advance (and with the investments from membership fees), during 1986 a full half of all member deaths did not result in an assessment being made.

Anyone who wishes to find out more about GEBA/CLMAS can do so by telephoning Larry Mason, 446-4794 or by writing to P.O. Box 1559, Ridgecrest, CA 93555.

Naval Reserves tempt newcomers with benefits

Civilians at the Naval Weapons Center and military personnel ending their active duty stint might want to consider spending some time in the Naval Reserves. At least, that's the idea SW1 Jeff Cooksley hopes to get across when he visits the Indian Wells Valley in his position as the Naval Reserve Recruiter for this part of Kern County and all of Inyo County.

Petty Officer Cooksley is excited about a new program for individuals with special skills needed by the Navy. Called the Advanced Pay Grade Program, this concept brings individuals who are at least 26 years of age into the reserve at the E-3 pay grade without having to go through Navy Boot Camp, even if they have no prior military service of any kind.

The recruiter noted the potential recruit needs to have a skill that directly relates to the Navy. Those with prior service can enter this program if their converted age, that is age minus years on active duty, is no more than 42.

In exchange for the benefits of service to country, training and potential retirement payments, the reservist will spend one weekend a month at a drill and two weeks each year are designated for active duty training.

Civil Service employees are allowed military leave time over and above annual and sick leave for their two weeks of active duty training.

Additional benefits include Navy Exchange and Commissary privileges based on the time they spent on active duty each year, furnished uniforms (if an individual has been off active duty status for at least

90 days) and more. The pay alone, for the average E-4 amounts to about \$2,000 per year. Also, prior service sailors retain their top pay grade if they enter the reserves within 10 years of their release from active duty.

Petty Officer Cooksley is recruiting for the Seabee Detachment at China Lake, for the Naval Reserve unit at Armitage Field, the Branch Medical Clinic Reserves and several other detachments operating out of the Naval and Marine Corps Reserve Center in Bakersfield.

Men and women alike are eligible for the reserves. The Navy has a need for con-

struction, administrative and medical personnel in the Bakersfield-based reserve units.

The recruiter also noted anyone from Ridgecrest who joins a reserve unit that drills more than 50 miles away is eligible to have berthing and meals provided at Navy expense on drill weekends.

Anyone in the area interested in learning more about the Naval Reserves and any of the programs available can reach Petty Officer Cooksley at NWC ext. 2446 or call collect (805) 324-1027. There are answering machines on each of those lines if none of the recruiters are in the office.

This is an excellent opportunity, noted Petty Officer Cooksley, to get into one of the 25 career fields paying an enlistment bonus, earn money for vacations or continue to learn and train in the skills acquired while on active duty.

The benefits are numerous and the only cost is 36 days a year in a uniform serving the nation.



Military News

VX-5, NWC sailors contend for Navy League distinction

Sailors from the Naval Weapons Center and Air Test and Evaluation Squadron Five (VX-5) will contend for the annual Blue-jacket of the Year Award given by the Indian Wells Valley Council, Navy League of the United States on March 14 at the NWC Enlisted Mess.

This is the eighteenth annual awards dinner hosted by the IWW Navy League, according to C. John DiPol, IWW Council

President. Candidates for this honor were selected as Sailors of the Quarter for NWC or VX-5 during 1986. They were selected on the basis of their leadership, dedication, performance of duties and personal qualities.

Reservations are now available by calling Bea at 375-4272, Julie at 446-5488 or Judy at 446-2538 no later than March 10. Dinner is \$11 per person.

NEX news

Big sales are planned at the Navy Exchange to help all customers get lots of value for each dollar spent.

Ongoing during this week has been the President's Day sale that lasts until Monday, when it will be replaced with a special President's One Day sale from 10 a.m. to 2 p.m. with extra special values for everyone.

The spring sale and baby week sale will run from Feb. 19 through 22 when they culminate with the Super Sunday sale on the 22nd from 10 a.m. to 2 p.m. There'll be two-hour early bird specials.

Everything from weed killer to Goodyear tires will be sold with a 10 percent discount during the outdoor living sale that runs from Feb. 26 through March 1.

Underway right now for those on active duty is a sale on Davis uniforms at 40 percent off until all the stock is gone from the uniform department. Specially marked women's Creighton uniform shirts will be sold at \$1.97 each while the supply lasts.

Starting on March 7, every Saturday it'll be possible to get an oil and lube job for only \$17.95 between 9 a.m. and 2 p.m. No appointment will be needed.

VEAP deadline established

Service members eligible for benefits under the Veterans Educational Assistance Program have until March 31 to enroll in the program or lose the benefit. The deadline applies to those who joined the military from Jan. 1, 1977, to June 30, 1985, and who have not enrolled in the program.

This program is the only educational benefit available to members who joined too late to be eligible for the Vietnam-era GI Bill benefits and too early for benefit eligibility under the new GI Bill, which began July 1, 1985, as a three-year test program.

Defense officials say many members did not enroll under an earlier deadline of June 30, 1985, believing they could enroll in 1988 when the three-year test of the new GI Bill ended.

The new deadline of March 31 was contained in the Veterans Benefits Improvement and Health Care Authorization Act of 1986, passed on Oct. 28. Officials say enrollments in the Veterans Educational Assistance Program will not be accepted after March.

Fire and Ice motorcycle race set on Saturday, Feb. 22 in Ridgecrest

Bob Foster's Super Cycles is hosting Fire and Ice #2, a motorcycle ride for active duty, reserve or retired military personnel assigned to or living in the Indian Wells Valley.

This is a one-day mystery motorcycle ride sponsored, free of charge, for area military personnel. Action starts at 8 a.m.

on Saturday, Feb. 22 at the Foster's Super Cycles. The day will end when the rider with the best poker hand takes home the top prize. Refreshments will be provided in the Kern Regional Desert Park when the riders start arriving back in Ridgecrest.

For additional information on Fire & Ice #2, call Martin or Todd at the motorcycle shop, 375-8606.

Pediatric visit is scheduled for next week

The next Pediatric Clinic at the Branch Medical Clinic is scheduled for Thursday and Friday, Feb. 19 and 20.

Due to other Naval Hospital Long Beach commitments, monthly pediatric clinics will not be scheduled until further notice. When clinics resume, that information will be published in the Rocketeer.

Military Pay: Some Taxed, Some Not

Because there are exemptions on certain military payments, there is confusion in the minds of some service members as to what is taxable and what is exempt.

To set the record straight, here's the difference.

Taxable income includes:

personnel serving as instructors in Junior ROTC programs;

- Lump-sum payments upon separation or release to inactive duty; and
- Military retirement pay based on age or length of service.

The following items are not taxable:

- Quarters allowance or variable housing allowance;
- Subsistence allowance;
- Clothing allowance;
- Family separation allowance;
- Station housing allowance;
- Cost-of-living allowance;
- Moving and storage expenses provided in kind or reimburse-

ments for actual expenses for permanent-change-of-station moves;

- Benefits under Servicemen's Group Life Insurance;
- Death gratuity benefits;
- Forfeited pay, but not fines;
- Certain disability retirement pensions; and
- Veterans Administration benefits, including VA insurance dividends.

There are experts to help you with every tax problem, at both the federal and state levels. If you're overseas, contact the installation legal assistance officer for trained advice.

Four NSAP positions available to NWC personnel

There are openings in the Navy Science Assistance Program for DP-4 positions; reassignment of DP-4s or temporary promotions not to exceed duration of assignment for DP-3s. Tour is initially for one year, subject to one year extension unless terminated by employee, the Center, or the fleet Commander of NSAP Director in SPAWAR. (Employee and his department should view this as a two year tour.)

Seventh Fleet -- duty station: Yokosuka, Japan

Third Fleet -- duty station: Hawaii (large percentage of time on ship)

Second Fleet -- duty station: Norfolk, VA

Naval Air Force Atlantic -- duty station: Norfolk, VA

As the Science Advisor to the Commander, the incumbent will be concerned with programs relating to all aspects of naval warfare. This will encompass all technical aspects of ships, submarine, aircraft and stand-alone weapons and sensor platforms and systems. It also includes a management knowledge of the weapons system acquisition process. The scope of work can range from the better utilization of existing equipment in the Fleet by ship's personnel to initiation of research projects leading to eventual development of new or major modification of systems. The incumbent will utilize the resources of the Navy Lab/Center, operating forces, and scientific personnel on temporary assignment from various Navy Labs/Centers to accomplish these goals.

The incumbent reports to several people for difference aspects of the work. He reports directly to the on-site Commander for the major functions performed. He is expected to identify and initiate action to resolve problems rather than getting any specific assignments or instructions. Because of the incumbent's expert knowledge of naval warfare, the incumbent is recognized and consulted by both military and civilian personnel in the scientific/military community. The incumbent's knowledge and

experience in technical systems form the basis for exercising personal judgment. This, coupled with an analysis of information provided from many sources, provides the major guidance in performing the incumbent's work.

As a representative of the Lab/Center community, the incumbent is responsible to the Director of Navy Laboratories through the NSAP Director. He is expected to keep the NSAP Director informed of significant matters of interest relating both scientific and tactical problems and the progress that is being made to solve them.

The incumbent is administratively supported by the Navy Lab/Center from which he has been selected and reports to the Deputy Laboratory Director.

Qualifications Requirements: This position requires an incumbent with professional experience in research and development work related to ship, submarine and/or aircraft systems. The incumbent must be technically well-rounded and familiar with the combined capabilities of the Navy Lab/Centers. Work at the graduate level is desirable.

A knowledge of the Navy's current state of work being done in research and development in this field by the scientific community is mandatory. The incumbent must have the ability to analyze problems and pose solutions of either a short or long range nature. The incumbent must be able to convince representatives of both research organizations and the operating forces of the merit of projects proposed.

Applicants interested should submit a completed SF-171 to Code 09 (Nedra) by close of business February 25. Applicants desiring technical information on the position should contact Mr. Fred Bien at NWC ext. 3793 or Col. Edwards at NWC ext. 1472. Administrative questions on long-term travel should be directed to Nedra at NWC ext. 2434.

Lump sum withdrawal possible under CSRS rules

Based on a provision of PL 99-335, The Federal Employees Retirement System (FERS), employees retiring under the Civil Service Retirement System (CSRS), on or after June 6, 1986 are allowed to withdraw their retirement contributions in a lump sum at time of retirement and receive a reduced annuity (including survivorship option) based on an actuarial formula.

The following is the Office of Personnel Management's two-step formula for calculating how your annuity will be reduced if you make a lump-sum withdrawal of your retirement contributions.

To do the calculation you need to know (a) the amount you have put into your retirement account; (b) the amount of your monthly annuity (a short formula for estimating your annuity is: take your years of service -- subtract 2 -- multiply the remainder by 2 -- the product is the percentage to apply to your high three average salary to obtain an approximate yearly annuity. Divide by 12 for monthly annuity. Remember, this is just an estimate of what your retirement will be; and (c) the "present value factor" for your age (they are listed below). Round all figures to the nearest dollar.

(1) Divide your total retirement contribution by the "present value factor" for the age you retire;

(2) Subtract the resulting number from your monthly annuity.

The answer is your reduced monthly annuity after a lump-sum payout. For example, a retiree separating at age 60, with retirement contributions of \$22,000 and monthly annuity of \$1,000 -- (1) 22,000 divided by 204.6 equals 108; (2) 1,000 minus 108 equals 892; making (3) \$892 is the reduced annuity.

Present Value Factors:

Listed below are the "present value factors" (PVF) for ages 50 through 65. The factor remains constant for each retirement age regardless of salary, retirement

contributions, length of service, etc.

| Age | PVF | Age | PVF | Age | PVF | Age | PVF |
|---------|-------|---------|-------|---------|-------|---------|-------|
| 50 | 269.0 | 54 | 243.1 | 58 | 216.7 | 62 | 191.7 |
| 51 | 261.9 | 55 | 236.0 | 59 | 210.1 | 63 | 185.2 |
| 52 | 256.0 | 56 | 229.2 | 60 | 204.6 | 64 | 178.1 |
| 53 | 249.4 | 57 | 222.9 | 61 | 199.6 | 65 | 171.3 |

Other Factors:

* Employees who are married at the time of retirement must obtain written, notarized consent from spouse in order to make lump-sum withdrawals. Employees are barred from exercising the lump-sum option if an existing divorce decree stipulates that a former spouse is entitled to a portion of the employee's retirement benefits or a survivor annuity.

This option cannot be used by employees who take disability retirement.

If an employee elects survivor annuity, the survivor will receive 55 percent of an original annuity regardless of any lump-sum annuity.

If an employee who elects an alternative form of annuity owes a deposit or redeposit for Civilian Service, and elects to pay the deposit or redeposit before the date of final adjudication of the annuity, OPM will compute the annuity as if the deposit or redeposit had been made. (Employee will not have to make the deposit or redeposit, only indicate they intend to do so.)

Eligible employees who retire before alternative annuity procedures are approved (or who have already retired) will be notified by OPM about their specific alternative annuity options and be given an opportunity to elect an alternative form of annuity. NOTE: All annuities will be taxed beginning with the first annuity check, therefore, lump-sum payments will be taxed.

Questions should be directed to Virginia Spille, NWC ext. 2018.

help them be more systematic when dealing with problems. Planning one's work in an organized way by proper time management principles enables the secretary to be more competent and effective.

Deadline: April 1.

CAREER EXPANSION FOR CLERICAL PERSONNEL

April 22, Wednesday, 0800-1000; May 19, Tuesday, 0800-1700; and May 21, Thursday, 0800-1200; Cerro Coso Community College, Room 145. By J. Wasserman.

Objectives: In this course you should learn to increase motivation and planning to achieve career goals and to assist individuals in exploring career options.

Note: Will require three (3) hours "homework."

Deadline: April 8.

DIGITAL SYSTEMS & COMPUTERS, PART 3

March 23-27; Monday-Friday; 0800-1600; Training Center. By Professor R. Panholzer, Naval Post-Graduate School.

Intended Audience: Technicians and technical personnel.

Scope: This course will give you hands-on experience with a small microcomputer system to complement and enhance what you learned in Parts 1 and 2. Topics include introduction and review, basic hardware configuration of a simple microcomputer, Z-80 microprocessor architecture, data bus, address bus, control bus, address decoding and memory map, input/output devices, keyboard and display interfacing, basic software content for microcomputers, Z-80 microprocessor instruction set, monitor and editor programs, assemble (1-pass and 2-pass), disassembler, and assembly language programming.

Deadline: March 9.

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



Personnel News & Notes

No. 83 / February 13, 1987

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, 305 Blandy. Ads close at 4:30 p.m. on Friday, one week after the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

No. 08-009, Supervisory Accounting Technician, GS-525-7/8, Code 08621 - (This is a temporary promotion NTE 1 year.) Incumbent serves as a supervisor in the control and maintenance of Cost Accounting records and subsidiary ledger for the Commercial Orders Section. Tour of duty is 0730-1630. Duties include supervising 2 lead accounting technicians and 13 accounting technicians; provide on-the-job training and reviewing the work of employees; reconciling subsidiary ledger accounts to general ledger accounts; reviewing and updating desk procedures; validating costs and accounting records; and researching aged financial transactions to clear accounts. **Job Relevant Criteria:** Knowledge of Integrated Disbursing and Accounting System; ability to communicate effectively both orally and in writing; ability to train employees; ability to interpret and apply a body of regulations and procedures; ability to support EEO policies and goals. Promotion potential to GS-8.

No. 24-006, Clerk-typist, GS-322-3/4, Code 24322 - This position is located in the Physical Security Branch of the Security Division of the Safety & Security Department. Manufactures badges/passports for access to NAVWPNCEN by civilians, military members, contractors and dependents. Maintains all records and files and prepares input for computerized badge listing. Must be able to assist with training of new employees. Incumbent required to greet customers in a tactful, diplomatic and courteous manner. **Job Relevant Criteria:** Ability to deal with all levels of personnel; knowledge of NWC. Status eligibles may apply.

No. 24-007, Lead Firefighter, GS-081-6, Code 242 - This position is located in the Fire Division of the Safety and Security Department. Incumbent is crew chief of a major piece of motorized firefighting apparatus and its crew. Duties include answering fire alarms; instructing crew in operation of fire equipment and all

phases of firefighting and directing fighting of fires in absence of higher authority. **Job Relevant Criteria:** Knowledge of fire prevention practices and ability to supervise and conduct inspections and identify fire hazards; ability to communicate with others effectively, both orally and in writing, in working out solutions to problems or questions relating to the work; potential to motivate, train, and work effectively with subordinates who have a variety of backgrounds and training; ability to plan own work and carry out assignments effectively; demonstrated potential ability to plan initial attack including rescue and the efficient control and extinguishments of fires; and knowledge of locations (streets, water distribution, alarm/detection systems, building contents/layouts, etc.). This announcement will be used to establish the promotion register for Lead Firefighter, GS-081-6, which will become effective 1 March 1987 and will remain in effect through 1 September 1987.

No. 26-010, Shop Materials Controller Leader, WL-4701-10, Code 2611 - Works directly with and leads shop materials controllers. Sets pace and demonstrates proper work methods. **Job Relevant Criteria:** Applied knowledge of the trade; knowledge of pertinent materials; knowledge of pertinent tools and equipment; ability to act as group leader; ability to interpret instructions. A Supplemental Qualifications Statement is required.

No. 31-018, Interdisciplinary (General Engineer/Electronics Engineer/Computer Scientist/Mathematician/Physicist), DP-801/855/1550/1520/1310 - 3/4, Code 31401 - This position is that of Associate Head, System Integration and Evaluation Division, Aircraft Weapons Integration Department. The division conducts hardware and software system weapons subsystems aboard the A-4, A-6, A-7, AV-8, and F/A-18 aircraft. The development, implementation, and

technical support of these subsystems involves software and firmware design, data base management, and data analysis. The incumbent is responsible for management and technical direction of three of the division's branches plus other technical assignments. **Job Relevant Criteria:** Knowledge of operational software development and testing; knowledge of avionics and weapons control integration techniques and processes; knowledge and understanding of physical systems and avionics; knowledge of data analysis techniques and systems; knowledge of Center support functions; ability to deal effectively with personnel within and outside the government at various organizational levels; ability to communicate effectively, both orally and in writing; knowledge of affirmative action principles and a willingness to support EEO. If filled at DP-3, position has potential to the DP-4, but promotion is not guaranteed.

No. 32-241, Explosives Test Operator, WG-6502-10, Code 32723 - Incumbent sets up facilities, equipment, and instrumentation to develop and record data relative to cookoff characteristics of various ordnance items and burning rates of propellant strands. Performs a variety of operations relative to the processing and testing of propellants and explosives. Position covered by prejourneyman training plan for explosive operators. **Job Relevant Criteria:** Knowledge of the principles, practices, and procedures relative to the safe processing and testing of propellants and explosives; of materials and technical practices; of use of measuring instruments; of equipment assembly involved in strand burning rate testing and explosive propellant processing operations. Ability to perform duties with minimal supervision; to interpret instructions and specifications (including blueprints); to develop and/or apply safety measures. Supplement required.

No. 34-003, Distribution Clerk, GS-303-5, Code 34131 - This position is located in Distribution Section, Composition and Layout Branch, Publications Division, Technical Information Department. Incumbent coordinates, prepares and updates distribution lists; creates and maintains standard distribution lists and computer records and files; and handles requests for initial distribution. **Job Relevant Criteria:** Knowledge of Navy Distribution rules and regulations; knowledge of special need-to-know security and facility clearance requirements for on and off-Center addresses; ability to coordinate, prepare and update distribution lists; ability to type; ability to work independently with little or no supervision; ability to deal with a wide variety of personnel both on and off-Center; and must have an understanding of automated word processing equipment. Promotion potential GS-5.

No. 35-074, Supervisory Electronics Engineer/Physicist, DP-855/1310-3/4, Code 3521 - This position is Branch Head, Code 3521. Incumbent will plan branch objectives and programs as well as manage and provide technical direction of advanced electronic warfare exploratory and development programs assigned to the RF Systems Branch. The position provides supervision and guidance to approximately 10

subordinate personnel, including engineers and technicians. Management responsibilities include support for the Center's EEO program. **Job Relevant Criteria:** Knowledge of electronic warfare concepts and technology; knowledge of RF theory and techniques; knowledge of affirmative action principles including a willingness to implement EEO practices; ability to perform as a first line supervisor; ability to manage an organization; ability to plan, organize, coordinate, and manage a technical program; ability to perform sponsor liaison and reporting; ability to influence and motivate others; ability to communicate in writing. Applicants need to address all of the job relevant criteria on separate sheets of paper submitted with their SF-171. If the individual selected for this position has not yet served same, a supervisory probationary period of one year may be required. The position has potential to the DP-4 based upon the selectee's performance on the job and the wishes of management.

No. 36-008, Documentation Reproduction Specialist, DS-1601-1, Code 36514 - Incumbent assists in the processing, reproduction and distribution of engineering documentation for equipment/weapons systems for which NWC has technical cognizance. Services provided by the section include reproduction, storage and retrieval of engineering drawings, specifications and related documentation and insuring incorporation of approved changes. **Job Relevant Criteria:** Knowledge of engineering documentation reproduction equipment such as Xerox and Diazo duplicators, card punch, interpreter and counter equipment used in the preparation of microfilm aperture cards; knowledge of engineering documentation production, storage and distribution procedures; knowledge of quality control procedures for verifying accurate reproduction; ability to communicate orally. Promotion potential to DS-3.

No. 39-011, Administrative Assistant/Officer, DA-341-1/2, Code 39E - This position is located in the Weapons Department. Incumbent provides full range of financial and general administrative support for the Advanced Projects Office. Duties include program fund monitoring, control, planning and reporting; budget planning; personnel, equipment, safety and security, space, facilities and procurement. **Job Relevant Criteria:** Knowledge of Center policies and procedures in the areas of budget, personnel, supply/procurement, facilities and security, plant account. Ability to communicate effectively both orally and in writing; to exercise originality and initiative in dealing with administrative problems; to prepare and implement financial and administrative procedures; to review information/data for accuracy and completeness. Ability to deal effectively with people. Top Secret clearance or ability to obtain clearance is required. Promotion potential to DA-2.

No. 625-003, Electronics Technician, DT-856-1/2/3, Code 6251 - Position is located in the Computer Systems Branch. The incumbent will assist in the operation of Range Control Center Integration and Processing System (RIPS), a major Range Instrumentation System. This Center supports many aspects of Range testing and is crucial to controlling tests and providing



Personnel Development Opportunities

TECHNIQUES OF EFFECTIVE LISTENING FOR SUPPORT PERSONNEL

April 29; Wednesday; 0800-1600; Training Center. By Bert Barer.

Scope: Provides administrative and clerical support personnel with the skills and principles of effective listening. Examines how we retain and understand information by our ability to listen "actively." Topics include organizing "straight" data and drawing inference from that data; managing confrontation; giving reflective feedback; clarifying the message, blocking out competing messages; handling phone conversations by actively listening to voice inflection.

Deadline: April 15.

SECRETARIAL DECISION MAKING AND PROBLEM SOLVING

April 15 and 16; Wednesday and Thursday; 0800-1600; Training Center. By Profession Career Center (Marian King-Droppis).

Objectives: In this course you should learn to:

1. Apply a systematic approach to problem solving and decision making;
2. Use decision logic tables in solving problems: solve problems by process of elimination;
3. Apply quantitative decision making processes;
4. Learn time management principles;
5. Prioritize to be more effective;
6. 12 barriers to effective problem solving; and
7. Passive behavior and how it leads to unresolved problems.

Scope: The purpose of this program is to recognize the various decision making situations that a secretary is faced with. The focus is on assisting the participants in applying the decision logic tables, the quantitative decision making system which will

data to Range customers. Incumbent will provide technical support to this system. **Job Relevant Criteria:** Ability to read schematics; to operate, maintain, and repair large sophisticated computer systems including peripherals; familiarity with

REASSIGNMENT OPPORTUNITIES

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applicants must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

No. 14-003, Electronics Engineer, DP-855-3, Code 1421 - The incumbent will serve as Systems Engineer responsible for defining technical strategies, performing requirements analysis, architecture definition, system integration, and network experiments as they relate to integrated Communications Systems (ICS) development. It will be required of the incumbent to identify projects and milestones to be accomplished by others within the Division. The position requires knowledge of communication standards such as IEEE 802., X.25, MAP, TOP, and the ISO reference model; of communication control mechanisms such as token passing, ring, etc.; of baseband and broadband transmission techniques; and of computer networking. Experience is desired in developing communication systems; in structured communication system development practices; and in communication subsystems including gateways, LANs, bridges, couplers, digital switches, and medias (e.g., Fiber Optics). To apply, submit an updated SF-171 to John LaMarr, Code 142, NWC ext. 3711.

No. 31-019, Interdisciplinary (General Engineer / Electronics Engineer / Computer Scientist / Mathematician / Physicist), DP-801/855/1550/1520/1310-2/3 (Two vacancies), Code 3146 - These positions are located in the A-6/AH-1 Weapons Integration Branch, System Integration & Evaluation Division of the Aircraft Weapons Integration Department. The branch is engaged in weapons integration and store management system software development and providing support for the A-6E and A-6F aircraft. A large part of the work involves modifying or extending the capabilities of existing operational flight software programs. The incumbent will participate in the design, development, integration, testing, and maintenance of the Operational Flight Software for the A-6E and A-6F embedded computers. To apply for this position, submit an updated SF-171 to D. Watt, Code 3146, NWC ext. 5679.

No. 33-002, Interdisciplinary (General Engineer/Mechanical Engineer/Chemical Engineer / Industrial Engineer/Physicist), DP-801/830/893/896/1310-2/3, Code 3356 (Multiple vacancies) - The branch is engaged in explosives and explosive components design, testing, and analysis evaluations for major weapon systems to comply with the Insensitive Munitions program objective. The incumbent would serve as Project/Design Engineer on individual task project assignments along with being a team member in supporting other Insensitive Munitions tasks. Other

video systems, communications devices, data interfaces, and the operations thereof; familiarity with range operations and SEL computer systems. Promotion potential to DT-3. Previous applicants need not apply.

branch tasks are resolving explosive component related production discrepancy problems which often provides a diversified challenge. Performance duties will require engineering talents directed toward thermodynamic for heat control methods and hardware designs to support applicable chosen methods. Design, analysis and test facilities are of one entity within the branch for total task accomplishment. To apply for position submit an updated SF-171 to Code 33502. For information contact Gene Tabb, NWC ext. 7457.

No. 33-003, Interdisciplinary (Electronics Engineer / Electrical Engineer/Mechanical Engineer/Physicist), DP-855/850/830/1310-1/2/3, Code 3336 - This position is located in the Phoenix Fuze Systems Branch. The branch provides engineering support for current and new production contracts for the DSU-28/B Target Detecting Device used on the Phoenix Missile. The branch is also responsible for future efforts on the fuzeing system for the advanced air-to-air missile. The incumbent will provide technical support to new and ongoing programs in the branch. To apply for this position, submit an updated SF-171 to Larry Morrison, Code 3336. For information contact NWC ext. 1446.

No. 33-004, Interdisciplinary (Electrical/Industrial / Electronics/Mechanical Engineer / Physicist), DP-801/850/896/855/830/1310-2/3, Code 3352 - The Air-Launched Weapons Fuze Branch is seeking an energetic project engineer to join a team involved in the design, test and evaluation and production monitoring of arming-firing devices and related auxiliary components for use on rocket motors. Duties include: engineering design and performance analysis; environmental and field-testing; technical specification and documentation configuration review; technical review of contractor performance; quality monitoring and technical review of contractor performance; quality monitoring and technical reporting. Incumbent must be able to work well with others and communicate effectively both orally and in writing. Please send current SF-171 to Lee Sutton, Code 3352, NWC ext. 7509 by 27 February 1987.

No. 39-003, Interdisciplinary Physicist/Electronics Engineer, DP-1310/855-3, Code 3926 - This position is located in the Inertial Development Branch, Weapons Development Division, Weapons Department. The Inertial Development Branch develops, tests and evaluates inertial sensors and inertial systems. It also functionally integrates inertial systems

with navigation aids, such as the Global Positioning System. The incumbent will use the existing technology base to develop low-cost strapdown inertial measurement units for tactical missiles. **Job Relevant Criteria:** Knowledge of inertial guidance fundamentals; hardware and software fundamentals of tactical missile-borne computers. Ability to organize and prioritize tasks; to effectively lead a technical team; to function with a minimum of supervision; to communicate effectively both orally and in writing. Submit SF-171 to John Freeman, Code 392, NWC ext. 2922.

No. 39-004, Electronics Engineer, DP-855-1/2/3, Code 3926 - This position is located in the Inertial Development Branch, Weapons Development Division, Weapons Department. The Inertial Development Branch develops, tests and evaluates inertial sensors and inertial systems. It also functionally integrates inertial systems with navigation aids, such as the Global Positioning System. The incumbent will design digital circuits and select hardware for procurement to expand the capabilities of the inertial test laboratory and will provide hardware support in rehosting test software on a DEC VAX 11-750 from a HP-1000. **Job Relevant Criteria:** Knowledge of fundamentals of digital design; hardware and software fundamentals of minicomputers; microprocessor-based systems. Abilities to organize and prioritize tasks; to function effectively as a member of a technical team; to communicate effectively both orally and in writing. Promotion potential to DP-3. Submit SF-171 to John Freeman, Code 392, NWC ext. 2922.

No. 39-007, Interdisciplinary, Mechanical/Electronics / Aerospace Engineer, DP-830/855/861-3, Code 39B4 - This position is in the Rolling Airframe Missile (RAM) Project Office as Deputy for Systems Engineering and Development. Incumbent is primarily responsible for the technical management of systems engineering functions. This includes system evaluation of total missile round pack operations, interfaces, and coordination with the launch and control system. The RAM missile system is in the final phases of full scale engineering development, transitioning into production. Duties of the position involve developing objectives and tracking schedule progress; monitoring product improvement efforts; assessment of performance characteristics against operational requirements; reviewing assessment products for technical adequacy; tracking and coordinating NAVWPNCEN position on all proposed specifications, deviations, and waivers; coordinate and document specification/operational requirement comparison for use in assessment; tracking hardware investigations and ensuring optimum use made of available assets; and overall supervision of test and evaluation activities. The incumbent provides technical interface with NAVWPNCEN task managers and works closely with NAVSEA sponsors and contractor representatives. Knowledge of missile systems operation required. Please submit current SF-171 to R. Campbell, Code 39B4, NWC ext. 3741.

No. 39-008, Interdisciplinary, Mechanical/Electronics / Aerospace Engineer, DP-830/855/861-3, Code 39B4 - This position is in the Rolling Airframe Missile (RAM) Project Office. Incumbent is primarily responsible for the technical management of engineering tasks required to complete the transition from engineering development to production. The RAM missile system is in the final

phase of full scale engineering development, transitioning into production. Duties of the position involve planning, budgeting, coordinating, and monitoring in-house tasks supporting the effort; identifying problems and defining, proposing, and incorporating solutions into planned effort; defining, monitoring, and evaluating contractor effort and providing NAVWPNCEN assistance as required. The incumbent provides technical interface with NAVWPNCEN task managers and works closely with NAVSEA sponsors and contractor representatives. Knowledge of all phases of weapons systems production, including design, testing, and evaluating configuration control, data management, and product assurance required. Please submit current SF-171 to R. Campbell, Code 39B4, NWC ext. 3741.

No. 39-009, Interdisciplinary, Mechanical/Aerospace Engineer/Physicist, DP-830/861/1310-3, Code 3941 - This position is located in the Sensors and Platforms Branch, Electro-Optics Division of the Weapons Department. The incumbent will be the project engineer for the Sidewinder AIM-9M PIP Seeker. The incumbent will lead a team of approximately 20 scientists and technicians. The task for the team is to design, fabricate, test and document and electro-optic seeker based on a charged coupled device (CCD) camera. The project manager is responsible for insuring the completion of the task. To apply for this position send an up-to-date SF-171 to P. Hall, Code 3941, NWC ext. 1297.

No. 39-010, Interdisciplinary, Mathematician / Computer Scientist/Physicist/Electronics Engineer, DP-1520/1550/1310/855-2/3, Code 3923 - This position is the software engineer for modification and testing of the Operational Flight Software Program (OFF) for the Tomahawk missile. This position is located in the Tomahawk Software Support Activity, Weapons Development Division, Weapons Department. The task is to conduct analysis, modifications, and dynamic testing of the OFF in the Tomahawk Simulation Facility. The facility utilizes a VAX 11/785 computer and FPS parallel processor. Position requires the direction of a small group of engineers and specialists in the modification and IV&V of assembly language OFF. Knowledge of FORTRAN, assembly language, software testing concepts and techniques, and use of software simulations in testing; ability to interface and communicate effectively with personnel at comparable levels in government and private industry required. Promotion potential to DP-3. Please submit current SF-171 to John Freeman, Code 392, NWC ext. 2922.

No. 62-012, Electronics Engineer, DP-855-1/2/3, Code 6256 - The incumbent will support Range radar systems in operations, maintenance, and development. Knowledge of general digital and analog circuits, radar receivers, and transmitters is desirable. Must have knowledge of design and application of interface of equipment to Data General Computers. Instrumentation radar experience desirable. To apply, send an up-dated SF-171 to Larry Tsubakihara, Code 625, NWC ext. 5812.

Computer class

The dates of the course entitled "CSCI 397C-2: EXPERT SYSTEMS" have been changed to April 4 and 5, April 25 and 26, and May 16 and 17. Please note it is the last class meeting date that has been changed.

Secretarial opportunities

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

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

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

No. 31-017, Secretary (Typing), GS-318-4/5, Code 3112 - Provides secretarial, typing, clerical, and other administrative support to the A-6 Facility Branch, Avionic Facilities Division, Aircraft Weapons Integration Department. Promotion potential to GS-5. Status eligibles may apply.

No. 35-001, Secretary (Typing), GS-318-4/5, Code 3516 - The incumbent provides support to the RF Countermeasures Analysis Branch. Knowledge and working skill on the Xerox 860 desirable. Promotion potential to GS-5.

No. 36-004, Secretary (Typing), GS-4/5, Code 3604 - Provides secretarial and administrative support to the Sidewinder Technical Office. Experience on IBM Displaywriter desirable, but will train. Promotion potential to GS-5. Previous applicants need not apply.

No. 36-009, Secretary (Typing), GS-318-4/5, Code 36406 - This position is located in the CAM Engineering Office, Engineering Prototype Division, Engineering Department. The incumbent provides secretarial support to the CAM Engineering Office and six shop branches. Promotion potential to GS-5.

Recent Arrivals and Departures

Civil Service

| NAME | Arrivals CODE | TITLE |
|-----------------------|------------------|--------------------------|
| JOHNS, CONNIE S. | 125 | INDUSTRIAL ENGR. |
| CHARLON, SUSAN A. | 25228 | CLERK |
| CORNETT, CONSTANCE D. | 25228 | CLERK-TYPIST |
| SMITH, HOWARD E., JR. | 2613 | PLAN/EST. (GEN.) |
| CRAVENS, JEFFREY M. | 26436 | ELECTRICIAN (HIGH VOLT.) |
| MURPHY, TERENCE J. | 26921 | CIVIL ENGR. |
| SLATER, KATHRYN A. | 3436 | CLERK |
| KWART, ROSLYN S. | 3543 | CLERK-TYPIST |
| CARR, KEVIN M. | 36087 | ELECTRONICS ENGR. |
| LEE, VICTOR D. | 3646 | MACHINIST |
| KING, DOUGLAS J. | 3954 | ELECTRONICS ENGR. |
| ROBERTS, MATTHEW A. | 61322 | SHEETMETAL MECH. (AIRC) |
| DUNCAN, THOMAS I. | 6231 | GEODETIC TECH. |
| Departures | | |
| QUEZADA, GINGER R. | 086A | SYSTEMS ACCOUNTANT |
| BAIR, GERRIE | 2431 | CLERK-TYPIST |
| BREWER, FRANK A. | 26416 | LABORER |
| ADAMS, JOY | 3105B | SECRETARY (TYPING) |
| IRVIN, COLLEEN L. | 326 | ADMIN. OFFICER |
| NYSWANDER, REUBEN E. | 3545 | ELECTRONICS ENGR. |
| LEE, JAMES M. | 3914 | ELECTRONICS TECH. |
| SMITH, THERESA A. | 3921 | ENGRG. TECH. |
| HOMER, JONY V. | 64251 | ENGRG. TECH. |

Non-Appropriated Funds

| NAME | Arrivals CODE | TITLE |
|-------------------------|------------------|----------------------|
| COOMER, DANIEL C. | 2211 | FOOD SERVICE WORKER |
| DUANE, PAULA A. | 2227 | REC ASSISTANT |
| FARNE, LUISA D. | 213/214 | JANITOR |
| FINKELSTEIN, DAVID M. | 2213 | COOK |
| HISINGTON, SANDRA K. | 2211 | FOOD SERVICE WORKER |
| ROWLAND, TROY D. | 2226 | RECREATION AID |
| WILLIAMS, KAREEN R. | 2211 | FOOD SERVICE WORKER |
| Departures | | |
| LOPEZ, DONNA M. | 2227 | CHILD CARE ATTENDANT |
| PASSWATER, ELIZABETH A. | 213 | JANITOR |
| DILL, BOBBIE L. | 2211 | WAITER (TRAINEE) |



Questions & Answers?

On January 1, 1987 the new Federal Employees Retirement System (FERS) went into effect for some employees. From July 1 through December 31, 1987 employees covered by the Civil Service Retirement System (CSRS) will have the choice of remaining in CSRS or transferring to FERS.

This Question and Answer column will be published weekly to answer questions you may have about FERS. Questions should be submitted, in writing, to Code 091.

WHO IS COVERED UNDER THE FERS?

- Employees first hired after 31 December 1983;
- Employees re-hired with a break in service exceeding a year who have less than five years of civilian CSRS creditable service as of December 31, 1986 or date of re-hire, if later.
- Employees who elect to transfer to the FERS during a period designated to do so.

CAN AN EMPLOYEE COVERED UNDER FERS TRANSFER TO CSRS?

No. Employees may, during open season, transfer from CSRS to FERS, but cannot transfer from FERS to CSRS.

IF EMPLOYEES TRANSFER TO FERS AND LATER CHANGE THEIR MIND, CAN THEY TRANSFER BACK TO CSRS?

No. If an employee elects to transfer into FERS, the election is irrevocable.

CAN AN EMPLOYEE WHO TRANSFERS TO FERS RETIRE UNDER THE EARLY RETIREMENT PROVISION OF FERS, i.e., RETIRE AT THE MINIMUM RETIREMENT AGE WITH ONLY 10 YEARS OF SERVICE?

Yes, but the entire benefits (CSRS and FERS) are reduced 5 percent per year under the age of 62.

SHOULD AN EMPLOYEE WITH MORE THAN 20 YEARS OF SERVICE EVEN CONSIDER TRANSFERRING TO FERS?

Everyone should at least consider transferring. This is not to say that everyone should transfer, but rather, that everyone should consider this option. There is no general rule based on salary or years of service. As an example, there is a maximum benefit under the CSRS which prohibits a CSRS annuitant from receiving an initial benefit that exceeds 80 percent of their high-3 average pay. There is no maximum benefit under FERS. Therefore, an employee who wants to continue employment in the federal government after they have attained the 80 percent limit, may want to transfer to FERS where they can accrue additional benefits.

Retirement video available

The Training Center now has the videotape FERS/CSRS RETIREMENT TAPE available for checking out. Available in 3/4", VHS, or BETA; the videotape can be checked out by people interested in learning more about the new civil service retirement system called FERS and the old civil service retirement system called CSRS (which all civil service employees hired prior to 1984 are currently under).

FERS, unlike the current CSRS, is a three-tiered plan which includes Social Security, a guaranteed annual annuity and a thrift/savings plan. Covered employees will have to pay full Social Security contributions (about 7.15% of salary) and a small contribution to a new Federal retirement plan. In addition, employees will be able to make tax-deferred contributions to a thrift/savings plan, a portion of which will be matched by the government.

Employees covered under CSRS may elect to transfer to FERS during the period of July 1 through December 31, 1987.

People interested in checking out this tape should call the Learning Center, NWC ext. 2451, to reserve a copy.

CSB advisors schedule visit

Academic counselors of Cal-State Bakersfield will be on-Center March 17 to advise current and prospective students in the external degree programs offered by that 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.

Pre-retirement seminar

A pre-retirement planning seminar for NWC civilian employees considering retirement within the next five years will be held beginning Wednesday, April 15. The seminar will consist of three sessions held one day each week for three weeks.

The seminar is designed to provide a wide range of information on such subjects as tax regulations, the retirement systems, Social Security and Medicare, financial planning, health maintenance and various

aspects of retirement.

Employees interested in attending this seminar should submit an on-Center training request and authorization form via department channels to Code 094 by March 20. Please indicate estimated date of retirement on training request. The seminar will be limited to 60 employees. Spouses of enrollees are also encouraged to attend.

For more information call Virginia Spille, NWC ext. 2018 or 2592.