



PLANNING TO ATTEND—AC1 Kimberley Rusk joins Center Technical Director Gerry Schiefer and Center Commander Capt. John Burt in looking forward to the all-hands Christmas party. They have already purchased their tickets for the party on Dec. 20 when all NWC military, civilian and contractor personnel will join to celebrate the season.

Museum has holiday sale

Christmas shoppers can take advantage of the Maturango Museum's annual gift shop sale to purchase unique and beautiful gifts at greatly reduced prices today until 8 p.m. and tomorrow from 10 a.m. until 5 p.m. All items except books will be reduced 10 percent to the general public; museum members get a 20 percent discount on general items and 10 percent on books. A special sale table also has items reduced by as much as 50 percent.

The gift shop at the Maturango Museum (corner of Las Flores and China Lake Boulevard in Ridgecrest) has a unique

selection of books and gift items, from cultural items relating to the area to "Sail China Lake" T-shirts.

The museum also suggests a membership as a different sort of Christmas gift for anyone living in the area. Museum members have free admission to the museum itself, can take advantage of special events and field trips and get a discount on gift shop purchases. Memberships are \$10 for those over 65 or under 18, \$20 for singles, \$30 for families, \$100 for businesses and organizations, \$500 for life and \$1,000 for a founder's membership.

Toys needed

Now underway is the Marine Corps Liaison Office's "Toys for Tots" campaign that it is running in conjunction with the Salvation Army holiday basket program.

Those who wish to join to brighten a child's Christmas are asked to bring a new, unwrapped toy to any of the drop boxes located throughout the community between now and Thursday, Dec. 18.

Drop boxes are located in the lobby of Michelson Laboratory and the Headquarters Building, at American Legion Post 684 (641 Inyokern Road), Desert Cablevision (543 Inyokern Road), Continental Telephone (520 S. China Lake Boulevard) and the Kern County Library (131 E. Las Flores).

Local DMV moves

California Department of Motor Vehicle's Ridgecrest office has moved to 540 Perdew, Suite A in Ridgecrest.

The telephone number for the DMV office has also been changed. The number to call for information is now 446-2546 and to make an appointment for a driving test is 446-7156.



	Max	Min	Peak Gust
Fri.	—	—	—
Sat.	—	—	—
Sun.	—	—	—
Mon.	67	21	8 knots
Tues.	68	20	6 knots
Wed.	69	24	7 knots
Thurs.	58	31	6 knots

All measurements are made at Armitage Airfield.

Tickets selling briskly for all-hands Christmas party

Tickets are beginning to move briskly for the Center's all-hands Christmas party to be held on Saturday, Dec. 20 at the Enlisted Mess.

All hands means exactly that, according to the committee that has been planning the outstanding evening. Military personnel — both enlisted and officers — will be joined by DOD civilians and contractors to celebrate the warmth of the season.

The party will begin at 6 p.m. with a social hour, followed by a magnificent three-meat buffet with all the trimmings at 7:30 before dancing to the music of the Blue Star Bandits starting at 9 p.m. There will also be prizes given out throughout the evening to those who attend.

Tickets are \$7.50 a person for enlisted personnel and their spouses or dates, \$9.50 for chiefs and their spouses or dates and \$11.50 for all others. They can be purchased in advance from the Protocol Office in the lobby of Michelson Laboratory, from the Public Affairs Office in the Headquarters Building, from the Rocketeer Office in Old Dorm 17, from Lt. J.G. Marty VanDerKamp in the Military Administration Department Building and in Hangar 3 from both AC1 Kim Rusk at Airfield Operations and at the First Lieutenant's Office. Tickets can also be purchased at the door on the night of the party.

Appropriate dress for the evening will be desert casual (but no jeans).

Santa writes letters to kids

Children of all ages are invited to write to Santa in care of the Youth Activities Branch at the Naval Weapons Center's Recreational Services Department. All children writing Santa via Youth Activities will receive a personal reply from Santa.

Letters should be brought to the Information, Ticket and Tour (ITT) Office in Bennington Plaza, next to the Gym. Letters

will be accepted from November 28 through December 19 on Mondays through Fridays from 9 a.m. to 5 p.m. Or, letters to Santa can be mailed to Santa Claus, Commander Code 2227, China Lake, CA 93555.

Please include a self-addressed stamped envelope with each letter to Santa. For more information call the ITT Office at NWC ext. 2010.

'Messiah' presented twice

Nearly one hundred local musicians will present the first portion of Handel's oratorio, "Messiah," on Sunday and Monday at the All Faith Chapel. Sunday's performance will begin at 4 p.m. and the Monday performance will begin at 7 p.m.

The performances are free and are open to the public. They are sponsored by the

High Desert Council for the Arts, with the support of local individuals and businesses as well as the Office of the Chaplain and the Recreational Services Department.

Ray Blume serves as director for both performances. Accompanists are organist Shirley Helmick, pianist Doris Bullock, cellist Fran Rogers and trumpeters Pat and Mike Rindt.

New gate hours

Until the end of the year, the Richmond Road gate will remain open until 10 p.m. Sundays through Thursdays and until 11 p.m. Fridays and Saturdays.

If sufficient use is made of the gate during the extended hours, these will become permanent next year.

Movies

FRIDAY, SATURDAY	DEC. 5, 6
"ABOUT LAST NIGHT" Starring Rob Lowe and Demi Moore (Drama, rated R, 113 min.)	
SUNDAY	DEC. 7
"TOBY & THE KOALA BEAR" (Animated, rated G, 89 min.)	
WEDNESDAY	DEC. 10
"BIG TROUBLE IN LITTLE CHINA" Starring Kurt Russell and Kim Cattrall (Adventure/Comedy, rated PG-13, 100 min.)	
FRIDAY	DEC. 12
"FERRIS BUELLER'S DAY OFF" Starring Matthew Broderick and Alan Ruck (Comedy, rated PG-13, 103 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: 1986—No. 40034

FROM: _____ PLACE STAMP HERE

TO: _____

New T-Pad facility boosts telemetry operations



DATA RECORDERS—Employees monitor 16 strip recorders that print out data received by the Telemetry Receiving Center. The

new facility consolidates all the functions for the Range Department's Telemetry Operations Branch in one central, secure location.

Operations of the Telemetry Operations Branch in the Center's Range Department have been made more efficient and more secure thanks to construction of the Telemetry Receiving Center at T-Pad earlier this year.

Bob Rockwell, branch head, said the new facility, constructed under Military Construction (MILCON) Project P-295, consolidated the functions of the branch from a variety of temporary and permanent structures into one building.

Telemetry data has been a vital part of the China Lake mission since the Naval Ordnance Test Station (NOTS) began operations during World War II. The original station was a trailer set on a concrete pad, thus the name T-Pad (telemetry pad). As demands for capture of telemetry data grew and the amount of testing increased, telemetry facilities increased at a pace barely in step with NWC's rapid need for such data.

Growth, noted Rockwell, was a consequence of the cost of testing weapons, of the increase in number of parameters to be monitored and major advances in telemetry technology, leading to constant upgrading of monitoring, recording and computerized data reduction equipment.

Discussing the cost of testing, Rockwell commented each test became more critical because weapons systems became too expensive and complex to conduct as many tests as had been sometimes done in

(Continued on Page 7)

Lyda wins recognition for cruise missile effort

His outstanding work in establishing the Tomahawk Software Support Branch, recruiting skilled personnel in a time of personnel shortages and developing facilities and acquiring appropriate equipment earned Stephen Lyda the Technical Director's Award.

When he was presented the award on Nov. 26, NWC Technical Director Gerry Schiefer commended Lyda by saying that "You started out in 1984 as a one-man branch. Since then you put together a smooth-running office with a proper mix of government and contractor personnel, your branch became functional to meet the milestones required by the Tomahawk program and you've now established outstanding equipment and facilities."

Schiefer noted that even before the specialized facility required for the branch's work could be constructed, the branch adapted the Harpoon facility located outside Michelson Laboratory to meet its needs so that major milestones could be met.

The branch was created, according to the nomination for the award written by Dillard Bullard, head of the Weapons Department, to validate software used for the land attack version of the Tomahawk missile. Initially the responsibility of the Naval Surface Weapons Center at Dahlgren, the Joint Cruise Missiles Project decided to transition this responsibility to NWC. Dahlgren's software documentation had to be replicated by the new branch,

validated and installed in the NWC facility.

Throughout this entire time period, there were many Operational Flight Software (OFS) changes and OFS projects that had to be validated; the outstanding performance of the branch in achieving this goal was commended by Schiefer.

Bullard's nomination stated that "The establishment of the Software Support Activity was a formidable process because of the extreme shortage of experienced personnel, difficulty in acquiring ADP equipment for operation of the facility and establishment of an environment wherein highly motivated and creative engineers and specialists could work in disciplined, controlled processes in support of Fleet operational software requirements."

The nomination continues, "The Software Support Branch is responsive to both the principles of quality assurance and testing and audits of contractor's software development methods and procedures are being accomplished."

Schiefer added, as he gave the award to Lyda, "We all want to thank you for the good work that has been accomplished."

Lyda, who has been a Center employee since January 1972, holds a bachelor's degree in mechanical engineering from the University of California at Davis and a master's degree in the same subject from the University of Southern California. He currently serves as head of the Missile Control Branch.

CFC ends big push

Today (Friday) is the final day in the annual Combined Federal Campaign (CFC) fund drive. As of Dec. 1, China Lakers had pledged more than \$153,590 to this charity effort.

There is still a shot at beating the record of just over \$200,000 pledged in last year's drive when final returns from key personnel throughout China Lake are tallied.

CFC funding assists organizations in the United Way of the Indian Wells Valley, national service organizations, national health agencies and international service agencies that depend on donations to do their work world-wide.

Area agencies that benefit include the Salvation Army, American Red Cross, IWVARC, Navy Relief Society, China Lake Mountain Rescue Group, Civil Air Patrol, IWV Search and Rescue and many more.



OUTSTANDING PERFORMANCE—Gerry Schiefer, Center Technical Director, congratulates Steve Lyda to whom he has just presented the Technical Director's Award, as Capt. John Burt, NWC Commander, looks on.

Odessa Newman-Staples leads very busy life

Odessa Newman-Staples' days tend to be very long—she says she fortunately doesn't need a lot of sleep, that 4 1/2 to 5 hours a night do her just fine—and she fills them with a lot of varied activities.

For one thing, she works a minimum of 8 hours as a program analyst in Central Staff. Since she switched jobs from the Pacific Missile Test Center at Point Mugu to China Lake a year ago, she's been detailed as manager of the Center's correspondence program.

This means that she teaches the Center's writers and secretaries the new Navy format for letters. "No jargon," says Mrs. Newman-Staples. "There is a list of about 200 words that are 'no-nos'. Since writing represents your feelings, if you've been writing a certain way for years, having to be taught a different way requires much tact on the part of the teacher."

Despite the extra thought and care that this job takes, she's extremely enthusiastic about both the work scene and the area. "There's both a highly professional atmosphere here and a lot of teamwork. You are made to feel like you belong to a family," she notes.

"I came over to China Lake on travel and fell in love with the place," Mrs. Newman-Staples says, "so I encouraged my husband and our oldest sons to come over and take a look, too."

Her husband, Richard Staples, and the boys also fell in love with the area, so Mrs. Newman-Staples notes, they agreed that whichever of them first got a job on

board would bring the family. He was hired in October 1985, and they moved from Oxnard to Ridgecrest. By late November, she, too, had joined the China Lake work force.

The older boys were only part of the family that the Staples brought with them. "We've got nine boys at home," she says proudly, "and our oldest three are married and living elsewhere. Between us, we've got four grandchildren as well."

Those boys living at home are a 2-year-old, a 9-year-old, an 11-year-old, two who are 12, three who are 16, and one who is 18. Three of the dozen are her natural children from a former marriage. In the case of two, adoption has been completed and four additional adoptions are underway.

Mrs. Newman-Staples got interested in working with children when she was employed at a California Youth Facility, the Ventura School for Girls. She decided that it was important to work with kids before they got that far into difficulty, and, she says, for a period of time she worked only with teenagers as a foster parent. ("None of these ever got into trouble with the law again," she notes, proudly.)

She had her youngest natural son, Kelley, plus two teenagers as foster children when she and Richard Staples married four years ago—and they've picked up the additional six since that time. Hardest decision of all, Mrs. Newman-Staples says, was the one to take the baby because of

his age and because he was born addicted to drugs. They've had him since he was four months old.

Most of the children that they've adopted or served as foster parents to have come from mixed racial backgrounds and have been either abused children or those diagnosed as having learning disabilities, but having to take a baby through drug withdrawal was the most difficult task they've faced.

All of the boys are into athletics, Mrs. Newman-Staples says, and her husband, in addition, coaches women's basketball on Center, so there's a lot of time spent as a family cheering section at basketball and football games.

Regular household chores also take a lot of time, but here, she says, the boys help a lot because each of the older ones has a younger one assigned as a "special" brother and is responsible for checking homework, for seeing that a good attitude is maintained and for discipline. A family round table discussion is also held at least once a week to work out any problems or difficulties.

Despite having such an active home life, Mrs. Newman-Staples has also taken on community activities. While in Oxnard, she served on the Oxnard Board of Education for eight years, served as president for the Veterans of Foreign Wars auxiliary ("I feel a special commitment to patriotism"), and took part in enough other community activities to be named "Woman of the Year" in Oxnard in 1978. Her proudest moment, however, came when the Urban League established a scholarship in her name.

She has just been asked to become an EEO Counselor here and is also planning to continue with her education—she's only a few units short of having a degree and is planning graduate classes as well.

Spare time is spent in sewing, quilting, and canning. ("The boys do eat lots," she notes.)

Is this busy life worthwhile? "Oh, yes," Mrs. Newman-Staples says. "Both Richard and I consider that the future of the children is pay enough for anything that we do."

Surplus auction set Dec. 16

Public Local Auction IFB 41-7141 will be held by the Defense Reutilization and Marketing Office on Tuesday, Dec. 16. The sale will start at 9:30 a.m. in Building 1073, Warehouse 41, and the public is encouraged to bid.

The items will be on display for inspection beginning Monday, December 8, from 8 a.m. until 3 p.m. daily on weekdays. A complete list as well as sale terms and conditions may be seen at Building 1073, Warehouse 41.

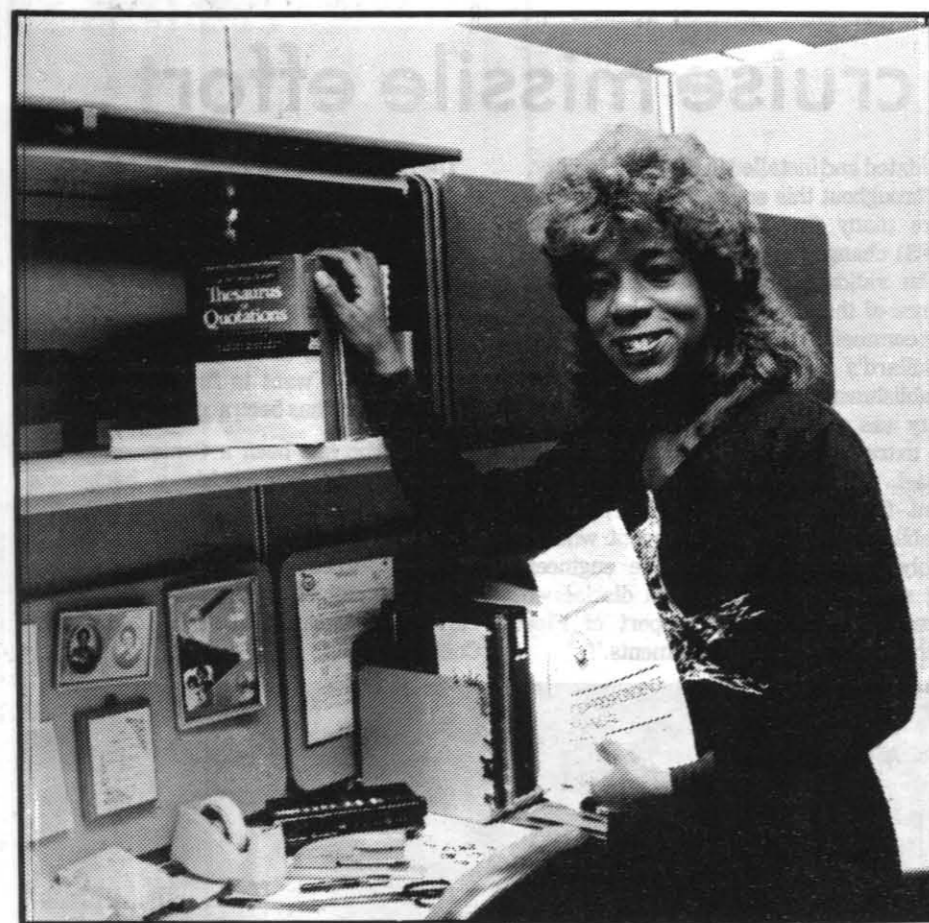
Registration will begin at 7:30 a.m. on the day of the sale. Bidders must be present and registered to bid. Mailed bids cannot be accepted.

Items purchased may be removed on the

sale date provided full payment is made. Payment must be in cash or guaranteed instrument (money orders, cashier's check, travelers' checks, etc.) Purchasers will have until Dec. 23 to pay for and remove items before storage charges are applied.

Because the Defense Reutilization and Marketing Office is located within NWC's interior security fence, prospective bidders must stop at the main gate and obtain a pass before coming aboard.

For further details, contact Greg Berry at Building 1073, Code 97, China Lake. He can be reached by telephone at NWC ext. 2502 or 2538.



ANTI-JARGON OPERATION—Odessa Newman-Staples reaches for her copy of Roget's "Thesaurus" to find a word to substitute for Navy jargon. She is currently detailed as manager for the Center's correspondence program.

NWC Rocketeer

Captain John Burt
NWC Commander

Gerald R. Schiefer
Technical Director

Denny Kline
Public Affairs officer

Mickey Strong
Editor

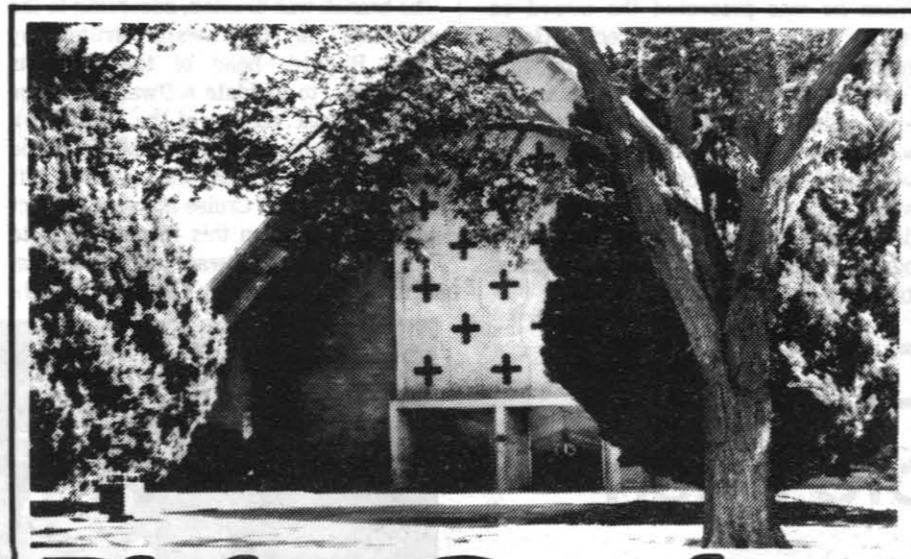
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Official Weekly Publication
Naval Weapons Center / China Lake, California 93555-6001
(619) 939-3354 or 939-3355

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

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



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, USN
Hearing impaired equipment available. Nursery available.
Phone NWC ext. 3506, 2773.

Telemetry Operations Branch has new home . . .

(Continued from Page 1)

A single test of a complex weapons system today may have as many as 1,000 different parameters to be measured, recorded and monitored during different phases of the actual test.

Prompted by Navy directives requiring secure telemetry operations, construction on the new facility began in July of last year and was completed in just 12 months. The new addition is a nearly 6,000 square foot single-story structure adjoining a

remodeled and improved building dating from the 1950s that allowed the resulting consolidation of work.

A part of on-going NWC Range Improvement and Modernization efforts, the facility includes real-time data links to the Range Control Center so engineers conducting tests on NWC ranges can look at a portion of the data being captured at the Telemetry Receiving Center on a real-time basis.

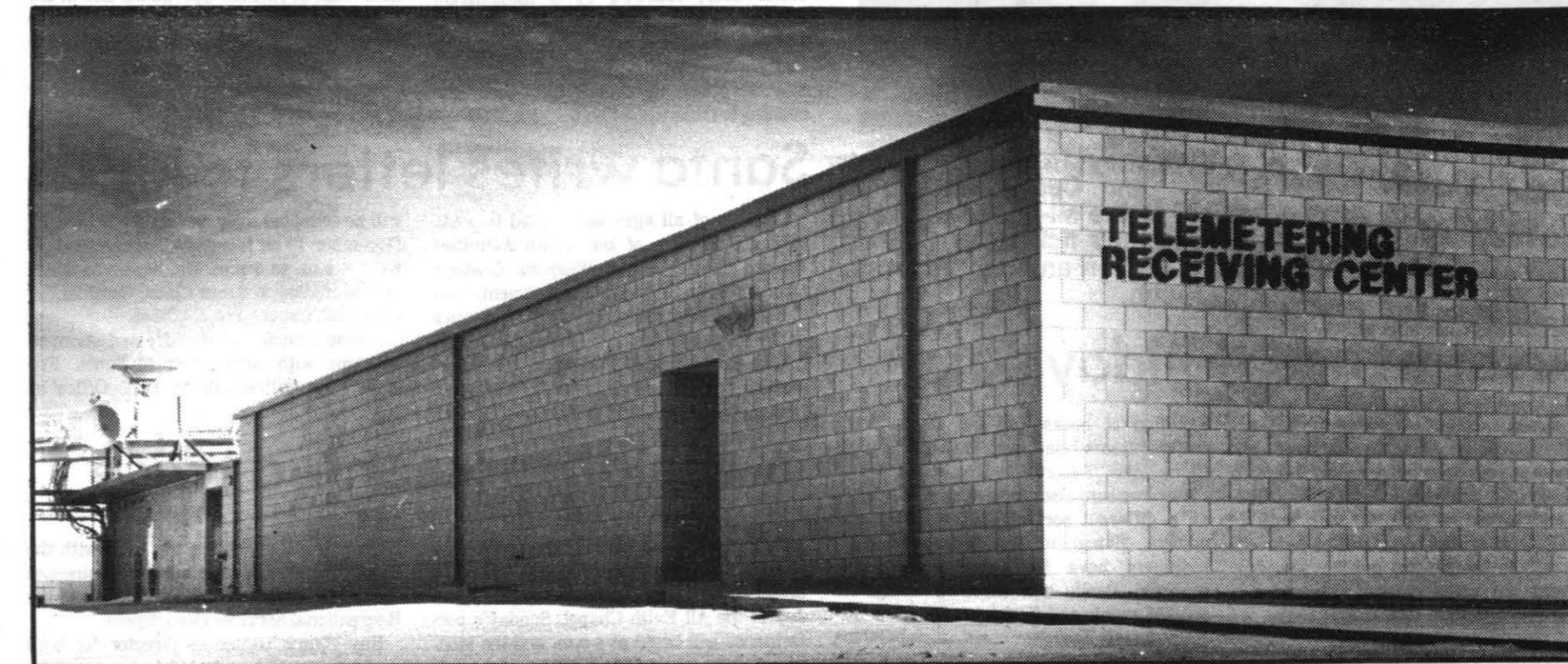
Processing of the data flowing to T-Pad is handled by a VAX 11/782 computer with a

pair of PDP 11/45 computers that formerly handled data processing functions, being installed as preprocessors for the VAX. Sixteen (16) strip-chart recorders monitor eight selected data channels each and print out information in the data-display area.

Tightly controlled access is another important feature of the new facility, noted Rockwell. Admission to the building requires an electronically coded key card or an escort. Environmentally controlled vaults provide secure storage for classified data and equipment. Increased use of en-

rypted data transmissions from NWC tests has led to the installation of special decryption equipment to convert encrypted telemetry data into plain text. Also, a perimeter fence surrounds the entire T-Pad complex.

Modernization of equipment and facilities has given the Naval Weapons Center telemetry receiving services that are more secure, faster and flexible enough to meet the NWC RDT&E community needs hopefully until the year 2000.



Holiday season is time for extra care in house

The holiday season is rapidly approaching and it's time to start thinking about fire safety with regard to Christmas trees, decorations, outside lights and toys.

Every year we read about some family that loses its home in a fire just before Christmas. We at the Naval Weapons Center Fire Division offer the following recommendations to keep this from happening to your family:

First of all, buy a firm fresh tree and store it outside in a cool place with the base in water until it's time to set it up. Before placing the tree in the house, cut off about two inches of the trunk at a 45 degree angle to help the tree absorb water more rapidly.

When you place the tree in the house, do not place it next to a heater duct, radiator

or fireplace. Also be careful not to block exits.

The next thing to remember is to check the tree daily for water and if the tree should dry out before the holidays are over it is recommended that you take the tree down.

Absolutely never use lighted candles on a tree or near combustible decorations.

Artificial trees should be clearly marked "made of slow burning material" and display the Underwriters Label (UL). To avoid the possibility of a shock hazard, use only indirect lighting with metal trees.

Check light sets closely for worn insulation, broken plugs and loose bulb sockets before placing them on the tree. Light sets that carry UL or California State Approved

(CSA) labeling should be used. If using lights outside make sure that the lights you are using are UL approved for outdoor use.

The use of extension cords should be kept to a minimum and cords should not be run under carpets.

Remember to always turn off the tree lights and outside lights before leaving the house or retiring for the night.

Select decorations made of noncombustible materials; if this is not possible, select those that are flame retardant.

When selecting electrical toys, check for the UL safety label which indicates that the toys have met safety standards. Toys powered by flammable liquids are risky for children. Children should be supervised by an adult when playing with these types of toys.

After opening your Christmas gifts put the wrapping paper in a covered trash container. Do not burn wrappings in the fireplace as they may flare up uncontrollably.

Due to increased amounts of combustibles in the home at this time of year, especially be careful with matches, cigarettes and candles.

Finally the Fire Division emphasizes that it is especially important that small children never be left alone or without supervision, even for just a short time, during this busy holiday season.

Remember, whether you do or do not have a fire depends upon you and your attitude toward fire safety.

The Fire Division wishes you and yours a very Merry Christmas and the best of new years.



Old Crows hear Henderson

LCdr. C. "Slim" Henderson, head of the Tactics Department of the Naval Strike Warfare Center at Fallon, Nevada, will be the speaker for the December meeting of the Robbers Roost Chapter of the Association of Old Crows.

His talk will begin at 5 p.m. on Tuesday in Room 1000D in Michelson Laboratory.

LCdr. Henderson will give an overview of the mission, organization and functions of

NSWC and will follow that with a briefing typically given to strike pilots being trained in defense suppression. The talk is classified SECRET.

Those with a SECRET clearance wishing to attend the talk should contact either Mike Stallard or Julie VanSlike at NWC ext. 3900. Center personnel will be required to show their badges. Non-NWC personnel should mail in an official visitor clearance request.

Ceramics lessons planned

Ongoing adult ceramics classes are held every Monday evening at the Craft/Hobby Center. Students are taught how to complete professional looking ceramic pieces that make great gifts — all the better because they are handmade.

Classes are from 5:30 to 8 p.m. every Monday for six weeks. Ceramics basic and, with sufficient progress, more complicated techniques are taught.

Registration is taken at the Craft/Hobby Center during regular operating hours, Monday through Friday from 9 a.m. to 8 p.m., and on Saturday from 10 a.m. to 4 p.m. The fees for the six-week course are \$10 per person for active duty military or dependents; \$12 per person for DOD civilians, retired military or dependents; and \$16 per person for private citizens.

Call the Craft/Hobby Center at NWC ext. 3522 for additional information.

Seven teams stay unbeaten in intramural loop

Twenty teams are taking part in this season's Naval Weapons Center Intramural Basketball League. Seven teams compete in the "A" Division and the other 13 are in the "B" Division. All games are played at the NWC Gym.

Seven teams are undefeated going into this week's play in the two divisions. Pioneers and Call Firemen at 3-0 in "A" Division competition, while the Appaloosa Homes squad boasts a 2-0 record in the "B" Division. De Bums, Texas In-

struments, The Suns and From-The-Hip are all 1-0 in "B" action. Nine teams are still searching for their first victory, and the 2-1 Sonics.

Games Monday pit the Pioneers



Sports

Next week's schedule finds 12 games on tap, highlighted by Monday's 6 p.m. game between the undefeated Pioneers against the Sonics; Pearson's against NWC and the Swishers against Saxwell.

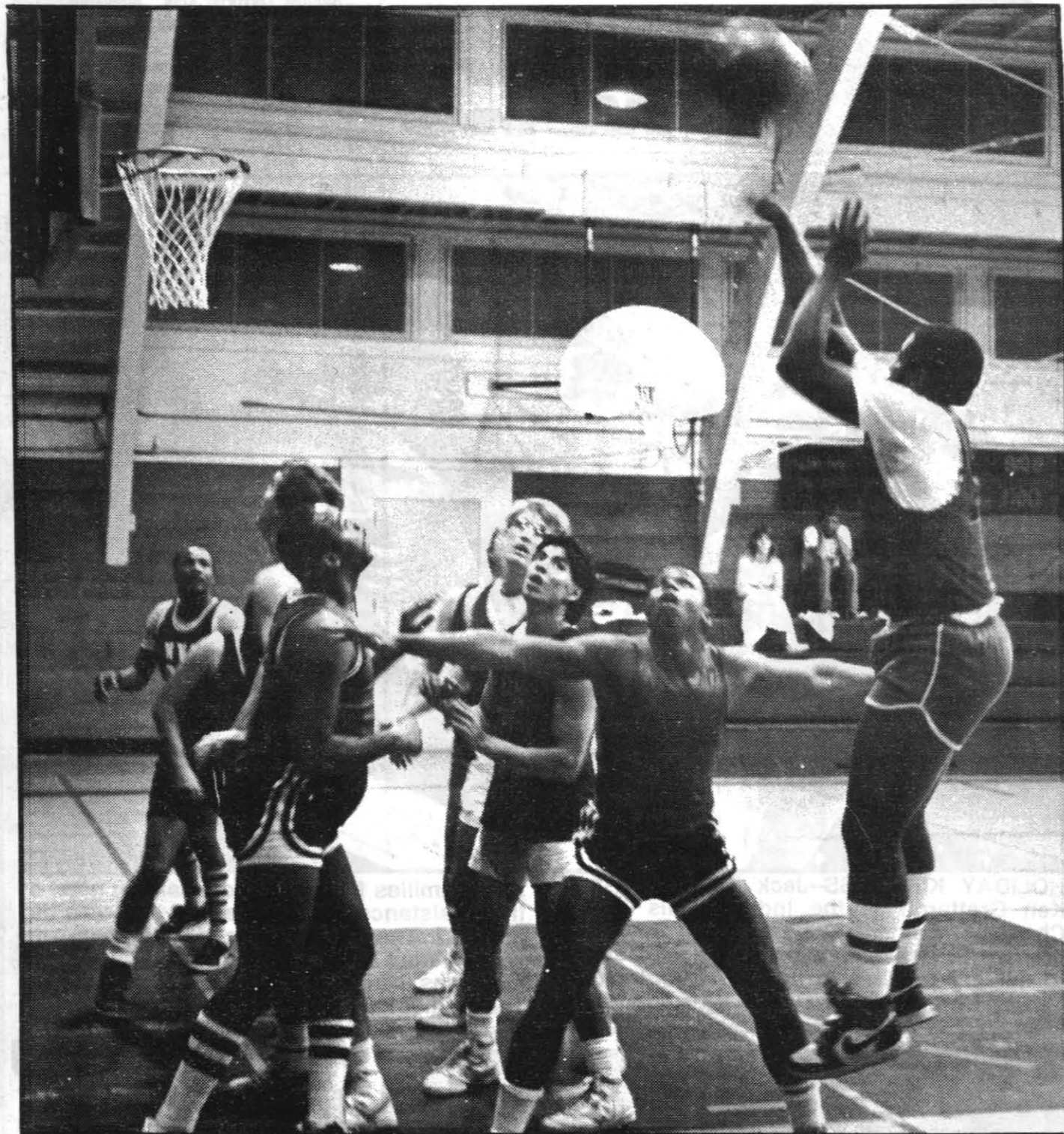
On Tuesday, DeBums face the Suns, K-Z Kondors battled From-The-Hip while ATC faces Desert Motors.

Wednesday nights finds Pearson's facing Call Firemen, Swishers against the Sonics and Saxwell facing NWC.

Thursday finds Pearson against Tators, Texas Instruments facing Pucci's and Ford Aerospace facing De Bums.

Games are scheduled for 6, 7 and 8 p.m.

Other basketball action finds the NWC Varsity basketball teams on the road to Ft. Irwin on Sat. Dec. 13 for men's and women's games in the Mojave Desert Inter-Service League.



HOOP ACTION—Teams in the NWC Intramural Basketball League wound up their second full week of competition this week with games in the Center Gym. The 1986-87 schedule has games Monday through Thurs-

day nights most weeks for the next three months, with the first game getting underway at 6 p.m. nightly. There is no admission charge to see the cagers battle for the basketball.

Turkey Trot attracts 103

Thanksgiving Day brought out 103 runners for the Over-The-Hill Track Club's annual Turkey Trot at Cerro Coso Community College. The three-mile run began and ended at the college parking lot.

Entrants ranged from five to 75 years of age and, thanks to the blind handicap system, all who finished the course had an equal chance to win.

Under the blind handicap system, each runner who completes the distance draws a handicap time which is subtracted from the actual running time for a net time.

Kathy Lotee with a handicap time of 2:44 won top honors, a large turkey, while Joe Oliver's 1:40 brought him a small turkey; both birds came from Tender Cut Meats. Third and fourth prizes were gift certificates from Cornelius Shoe Store and went to Annette Raley (-1:11) and "Pete" Buffum (Frank Buffum's dog) in -1:04. Todd's Mountaineering contributed 10 additional certificates for finishers.

The rubber chicken award for the best unhandicapped time went to Cory Sundeen for his 17:15 clocking.

More fish for anglers

Fishing in the Owens River has improved dramatically. It's been good in the area around Big Pine—and even better further north at Bishop and in the Pleasant Valley Reservoir.

As well as fish biting, the cold nights have ensured that the mosquitoes aren't. They are gone until spring.

Fishing is legal all year in the Owens River from Pleasant Valley Reservoir south, and in Lake Diaz.

Hunters aren't faring as well as anglers, however. The ducks have not yet started to move south through the Owens Valley.

Cage deadline

Today (Friday) is the deadline for youngsters to register for the 1987 NWC Youth Basketball League. Interested youngsters can register at the Information, Ticket and Tour Office until 5 p.m. today.

The league is open to youth from seven to 17 years of age.

For players to didn't take part in the 1986 season, a skills evaluation session is required. Sessions are scheduled for Dec. 9, 11 and 13. For additional information call the ITT Office at NWC ext. 2010.

Try a fishing license for a different gift

Looking for an unusual, but practical Christmas gift for a favorite angler? Try a 1987 fishing license as a stocking stuffer this holiday season.

Sport fishing licenses are now on sale at most license agents and DFG offices. This year resident sport fishing licenses cost \$18.50 (including the agent's handling charge). This is good for all inland

and ocean waters. A resident ocean-only license goes for \$10.50 in 1987. Striped bass anglers must also buy a special \$3.50 striped bass stamp. Proceeds for sales of these stamps go directly to improve striped bass populations in the state.

Residents and non-residents alike can buy one-day only licenses for \$5.50,

good for inland and ocean fishing. There is a one-day ocean only license (\$4) which allows fin fishing only; it is not good for taking mollusks and crustaceans.

A non-resident license is \$45.50, while the Colorado River special use stamp is \$3. Eligible senior citizens and disabled veterans can get a reduced fee license for \$2

Construction forces parking adjustments at bowling alley

Construction of the NWC's new Youth Center has forced changes in parking arrangements around Hall Memorial Lanes until the new building is completed.

Patrons of the bowling lanes will be

unable to park in the bowling alley parking lot because of the construction. Alternative areas have been developed by the Center's Recreational Services Department for bowlers.

Youth baseball fields south of the bowling center on King Street can be used along with parking areas adjacent to tennis courts on King Street. Patrons can also park at Bennington Plaza and along King Street.

Project BOSS big success

Navy's Project BOSS (Buy Our Spaces Smart) chalked up its third straight year of rousing success. We set challenging goals and met them. Close cooperation among the many commands and individuals involved in the acquisition of spares yielded the following results:

- The combined competition rate at ASO and SPCC, our primary space procurement activities, totaled 40.9 percent compared to 13.5 percent in FY 83.
 - Our inventory control points and hardware systems commands broke out over 7,000 parts having a total annual buy value of \$617,000.
 - Our price fighter program performed "should cost" analyses on 29,230 parts.
 - Industry refunded \$2.1 million on overpriced spares.
 - Cost avoidances reported to date exceed \$276 million.
- The Marine Corps' SAVE (Spares Acquisition Value Enhancement) program realized cost avoidances of more than \$22 million through breakout, new source development and other initiatives similar to those of BOSS.
- These achievements resulted from hard work and dedication at all levels of the Navy and Marine Corps, from fleet sailor to industrial artisan and from procurement specialist to program manager. It further demonstrates that we are making positive and lasting progress in improving the way we do business. Well done to ALCON.

John Lehman
Secretary of the Navy

CLMRG members join others in rescuing injured climber

Six members of the China Lake Mountain Rescue Group (CLMRG) hiked up the Bishop Pass trail in darkness to assist Inyo County Search and Rescue (SAR) personnel in the rescue of an injured mountain climber last weekend.

Bart Hine, Linda Finco, Ken Amster, Jim Roberts, Bob Westbrook and Ron Leiser joined the Inyo County team at about 1 a.m. Sunday morning. CLMRG members had been called on by the Inyo County Sheriff's Department at the request of the Inyo SAR team. Al Green handled the radio relay for the team and the Care Flight helicopter from Reno also involved in the rescue effort.

Green noted the helo left the Bishop Air-

port just before daylight and, with the help of a searchlight, spotted the victim on the mountain slope.

Rescuers has been told he had a possible broken leg and if helo support was not available would have to be carried out. Green said it turned out he had a broken femur, just below the hip, a very bad and very painful injury.

It took rescue team members just a little more than an hour to reach the victim after he had been spotted by the helo crew. They treated him and carried him to the helicopter. He was on route for Northern Inyo Hospital by 7 a.m.

It was late afternoon before CLMRG members were back in Ridgecrest.

Medical policies presented at retirees' meeting

All military retirees and their families and all other interested persons are invited to attend a discussion on current policies in effect at the Branch Medical Clinic and on planning for future medical needs. The meeting will be held at 6 p.m. on Thursday, Dec. 18, at the All Faith Chapel at NWC.

Principal speaker for the evening will be Capt. M.F. Hall, Commanding Officer, Naval Hospital, Long Beach and Commanding Officer of Fleet Hospital One, who will discuss "Changes in Health Care: Current Problems with System Access."

Following her talk, she will chair a panel discussion that will include Cdr. Dean Hermann, Officer in Charge of the Branch Medical Clinic; David Mechtenberg, Administrator of the Ridgecrest Community Hospital; Gary Staab, Administrator of Drummond Medical Group; and Warren Toussaint, Senior CHAMPUS Field Representative for Blue Cross and Blue Shield of South Carolina. Congressman Bill Thomas' office in Bakersfield has also been invited to send a representative.

The aim of the meeting, according to Cdr.

Hermann, is to give everyone a more complete understanding of what has happened regarding medical benefits for dependents and retirees, what will be happening and alternatives available to those most concerned about this issue.

Cdr. Hermann points out that the main change that has come about in the Branch Medical Clinic is that now definite appointments are required for retirees and dependents to be seen by doctors or staff because of the limited number of medical personnel available. Emergency care is not

available at the clinic, nor is specialty care; the emergency room at the Ridgecrest Community Hospital is the only completely staffed emergency room in the community.

He adds that the emphasis of the Branch Medical Clinic is still to provide high quality care for everyone who is ill and who is entitled to care. Unfortunately for the patients, maintaining an acceptable level of quality often means referring those patients to other sources of care, since there are no specialists on the staff of the Branch Medical Clinic.

Commemorative covers honor lost ships

In remembrance of the ships and men of the United States Navy who gave their lives during World War II—more than 500 ships ranging from tugboats to giant carriers—Gene Myers, a mechanical engineering technician in the Production Engineering Branch of the Engineering Department, has created his own commemorative covers.

On each envelope is a picture of the ship, its designation, the date of her loss and a brief description of as much as is known about the conditions under which she was

lost. These range from the USS Panay (PR-5), sunk by bombs from Japanese aircraft while she was at anchor in the Yangtze River on Dec. 12, 1937, to the USS Bullhead (SS-332), presumed lost while on patrol in the Java Sea on or about Aug. 6, 1945, the last United States Navy ship sunk in World War II.

Myers has had each of the envelopes mailed from a Navy ship so that these would have a Navy cancellation, along with (on all but the first three) a stamp displaying the flag.

His collection has called for extensive research over a period of years. Books he's found of most value have been the eight volumes of the "Dictionary of American Naval Fighting Ships;" the 15 volumes of Samuel Elliot Morison's "History of United States Naval Operations in World War II;"

"Warships of the World," by Roger Kafka and Roy L. Pepperburg; "United States Naval Chronology," by the Government Printing Office; "At Close Quarters," by Capt. Robert J. Bulkley, Jr.; and Janes "Fighting Ships."

Donate blood for holidays

During this busy holiday season, the Houchin Blood Bank's planned visit next Tuesday (Dec. 9) offers area residents the chance to give the gift of life, with a blood donation, at the cost of only an hour or so away from shopping.

The Houchin Blood Bank will set up shop at the Elks Lodge, 201 East Church Ave. from 1 to 6 p.m. No reservations are necessary, just take a hour or so of shopping time and stop by.

Sponsored by the Ridgecrest Emblem Club, the Houchin Blood Bank makes regular visits to the Indian Wells Valley. Donations can be earmarked for needs of specific individuals or be given as part of the IWV pool for when needs arise.

Donors should be between the ages of 18 and 65. They should be in reasonably good health, not have had a cold, the flu or a flu shot in the past two weeks, not have had a canker sore within the past two weeks and know what medication they are currently taking.

Potential donors will be given a simple blood test and asked to fill out a medical history form as part of the routine procedure.

Speed limits to change Dec. 22

As of Dec. 22, posted speed limits on several of the Center's streets and roads will change. Changes are as follows:

South Knox Road changes from 25 mph to 45 mph from the stop sign at the intersection of Rowe and South Knox north to the traffic circle.

Blandy changes from 25 mph to 30 mph from Sandquist Road east to the Commissioned Officers' Mess.

Inyokern Road changes from 25 mph to 30 mph from the traffic circle east to Richmond Road. When children are present in the school zones, the school zone speed limit prevails.



IMPORTANT DOCUMENT—Signing the new Agreement with the Indian Wells Valley Metal Trades Council is Capt. John Burt, representing NWC, as those involved with negotiations look on. They are, left to right, Martin Peltz, Chief Negotiator, United Association of Plumbers and Steamfitters; Susan Cavaliere, International Association of Machinist and Aerospace Workers; James Gammon, United

Brotherhood of Carpenters and Joiners of America and president of the IWV Metal Trades Council; Thomas Kirk, United Association of Plumbers and Steamfitters; Bruce McIntosh, Chief Negotiator, Center Negotiations Committee; William Cooper, Barbara Fedoriga, J. K. Osgood, and J. O. Crom, members of the Center Negotiations Committee.

Intelligent Air Attack System to help Navy pilots

Personnel from NWC's Electronic Warfare and Aircraft Weapons Integration Department have been working for more than a year on a system to ease the workload of aircrews in a combat environment.

The Intelligent Air Attack System (IAAS) is still in the future for Navy aircrews, but, if fully developed, will have three intelligent (rule-based) software modules for on-board computers. The modules would include an electronic warfare module, an Inverse Synthetic Aperture Radar (ISAR) targeting module and an aircrew interface module.

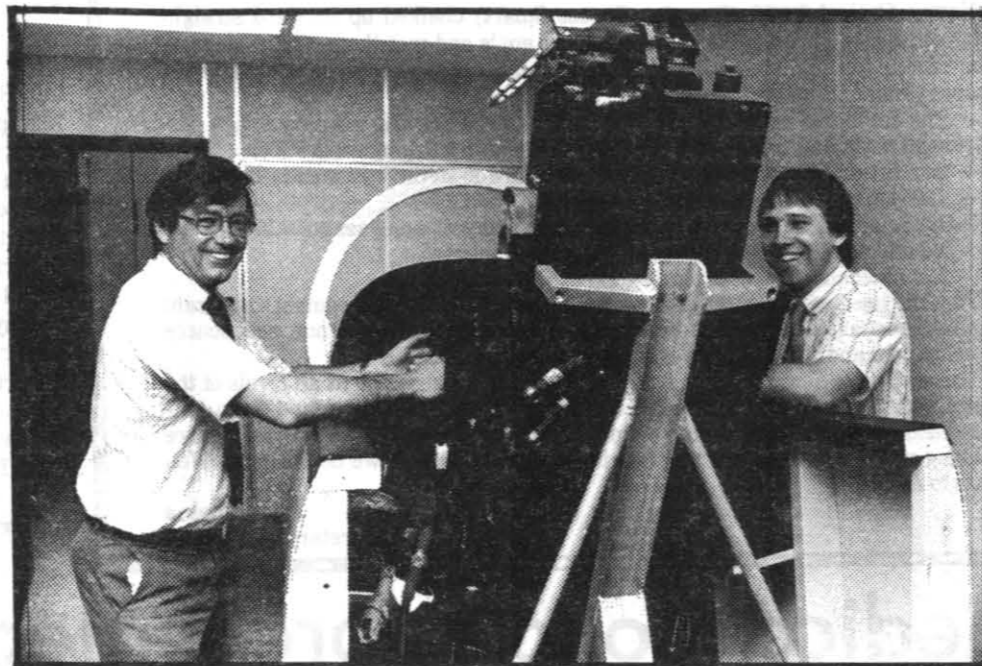
Artificial Intelligence (AI) symbolic reasoning will allow IAAS to interact with the pilot and tell him why a decision was made. One example of this capability is allowing the aircrew to verify a ship's ISAR image. This verification capability increases the pilot's confidence level, leading to a similar increase in productivity.

As conceived by China Lake personnel in the two departments, IAAS uses AI and systems integration techniques to keep the aircrew workload to a manageable level, while enhancing their ability to perform air-strike missions.

The system will be transparent to the user, reliable, capable of interrupting the crew in an emergency, capable of in-flight tailoring as changes in mission status occur and be subject to aircrew override at any time.

Center personnel are working with the IAAS testbed cockpit simulator connected to a VAX 11/750 computer system, color graphics system and a projection TV system for providing out-of-the-cockpit situational cues to the aircrew.

IAAS will not replace aircrews, but could allow them to request AI assistance to handle certain functions, thus freeing aircrew members for those functions where the human element is critical.



China Lake Police Reports

A series of traffic accidents marred the Thanksgiving holiday for some personnel at China Lake. Fortunately, all were non-injury. In one instance, a driver struck his vehicle while it was in gear and started the south side of Building 11090 in the CLPP area; the vehicle sustained minor damage. About one mile east of Pinyon Peak near the South 40 area, a driver backed into a Joshua tree, causing minor damage to the tailgate of the truck. At Inyokern Road and Post 13 (the main gate), one vehicle struck the rear of a second vehicle, causing minor damage to both. Another driver was passing through a drive-through gate at Lauritsen Laboratory when the wind caused part of the gate to close and dam-

age the vehicle. And, finally, in the west parking lot of Michelson Laboratory, a fork lift struck a telephone pole, causing minor damage to the telephone pole.

Police investigating an anonymous tip found seven children ranging from 4 to 12 years of age to be living in an unhealthy environment due to the condition of the house in which they were living in the Site B Capehart housing. The children were also unattended. Police took all seven into protective custody and transported them to Bakersfield. The case has been referred to Child Protective Services and the District Attorney.

On Friday suspects entered a victim's residence on Herbert Street and removed property.

Again on Herbert Street, an unknown person or persons removed a victim's trailer, making this a grand theft. The Kern County Sheriff's Office is also involved with the investigation.

Unknown persons broke the rear window of a victim's vehicle while the vehicle was parked in the driveway of his residence in Center housing.

A male juvenile at Murray Junior High School was found to be in possession of what appears to be marijuana.

In more than one instance this weekend, police were asked to stand by and keep the peace in domestic disputes.

A victim reported property being removed from the China Lake Players' building, a case of petty theft.

Police responded to a reported fight at the Enlisted Mess. The suspects had left, but a motorcycle was damaged and a bystander assaulted during the disturbance.

A white Navy GMC pickup truck was reported missing from the maintenance control area near Hangar One. When the

vehicle was located, police took the suspect, a Navy man, into custody and the case has been assumed by NSIC.

A divorced wife complained to China Lake police that her ex-husband was harassing their daughter. Police advised her to contact a legal representative.

After loading 21 sheets of masonite onto a Public Works Department truck in town, an employee returned to his work space. By the time that he got back to the Center, 17 of the sheets of construction material were missing.

When an unattended briefcase was found, police were able to locate its owner before EOD personnel needed to be called on to blow it up. Center personnel are reminded to beware of leaving their briefcases in places where they could be assumed to contain bombs.

A China Lake police detective assisted a Ridgecrest detective in serving a warrant on an NWC employee.

Police were alerted that a male subject entered a trailer on Herbert Street that had been purchased by the Navy and posted as government property. When police investigated, they took the individual into custody for trespass and for possession of less than an ounce of marijuana.

Get ready for ski season

Now is the time to start thinking snow!

With the arrival of December, the ski season can't be far behind. NWC's Recreational Services Department's Gear Issue Desk in the Center Gym has downhill and cross-country ski equipment available for rental again this

winter. Advance fitting for skiers is needed prior to rental.

Reasonable rental rates for a day, weekend or week are available to eligible Center personnel.

For additional information call the Gear Issue Desk at NWC ext. 2334.



CAREFUL WORKERS—Capt. R. A. Dropp, head of the Supply Department, accepts a safety award from Capt. John Burt, NWC Commander, representing one million hours of safe operations. During the period of Dec. 5, 1983, through the end of October of this year, no lost time accidents occurred to Supply Department personnel on the job.

Battle against terrorism continues at U.S. bases

Military personnel and their families overseas are likely to see more physical signs of protection against terrorism — fences and barriers, surveillance cameras, security guards and driveway designs that prevent vehicles from gaining enough speed to storm security barriers.

That's because sweeping legislation recently passed by Congress places the highest priority on government-wide anti-terrorism efforts.

And behind this commitment are several billion dollars to be spent over the next five years.

According to Army Lt. Col. Robert M. Lee Jr., DOD special assistant for counterterrorism planning, the Diplomatic Security Act is the most extensive legislative package ever created in an effort to counter the terrorist threat to U.S. diplomatic missions overseas.

It call for reinforced and, in some cases, new embassy complexes, increased residential security for U.S. diplomatic personnel and extensive interagency research and development for new anti-terrorism measures.

The legislation also outlines the Department of Defense's responsibility to protect service members, their families and military installations from terrorism. This includes:

- Reviewing the security of each military installation outside the United States, including family housing and support activities and taking steps to improve security as necessary;

- Instituting an improved security and anti-terrorism training program for service members and their families overseas; and

- Reporting to Congress actions taken toward improving installation security and training of service members and their families.

Lee said this mandate closely parallels efforts already under way DOD-wide to help protect service members, their families and military facilities from terrorists.

The key to this effort, Lee said, is awareness. "What we're emphasizing is an awareness of the problems, awareness that they're not just going to go away and an awareness that terrorism can strike any time, any place and at any one, no matter how much security you have."

A recently updated DOD directive, "Protection of DOD Personnel and Resources Against Terrorist Acts," pinpoints responsibility for ensuring this protection with the service secretaries.

Each service is coming up with implementing instructions that will be distributed to all command levels.

By Donna Bollinger
Armed Forces Information Service



Military News

VX-5 carolers sing Dec. 17

VX-5 officers and their wives will be singing carols in the vicinity of Center housing on Wednesday, Dec. 17, from 6 to 7:30 p.m. in aid of the Navy Relief Society.

Donations will be much appreciated. Singers ask that everyone listen for the choral music on that evening and look out for the money boxes.

Clinic session for animals

A well-animal clinic is scheduled for Tuesday at the Craft/Hobby Center. This clinic offers inoculations for well animals only.

The service, available for the pets belonging to active duty and retired military only, requires appointments. Animals will be seen by the veterinarian from 10 a.m. to noon and from 1 to 2 p.m. Horses stabled off-Center must be transported to the Center stables to receive their shots.

To make an appointment, telephone the Craft/Hobby Center at NWC ext. 3252.

NEX News

Christmas shoppers have 12 hours to take the best advantage of all bargains offered by the NEX this Sunday. The Super Sunday Sale starts at 8 a.m. with early bird specials offered until 10 a.m. and the sale itself will continue until 8 p.m. discount coupons will be given away from 6 to 8 p.m.

Fashion items will be the focus of a Christmas sale from Dec. 10 through 16 designed to help shoppers get those last minute gifts.

Santa Claus will be at the NEX tomorrow from 10:30 a.m. until noon and from 1 to 2:30 p.m. so that little ones can get their picture taken with Santa. He'll also be available for picture-taking sessions on Dec. 13 and 20.

Small fry can take advantage of a "Kids Shopping Day with Santa" from 8 to 9 a.m. on Saturday, Dec. 13. Santa and his elves will help the youngsters pick presents and will even do the gift wrapping.

Next Tuesday evening the personalized services, retail store and minimart will all open until 7 p.m. for those who can't get away during regular store hours.

Those who like to pick up their Christmas tree from the NEX lot can start looking over the trees on Monday, when the first shipment will be in and on sale.



HOLIDAY KINDNESS—Jack Van Skike and Ken Grattaroti of the Indian Wells Valley Chapter, Vietnam Veterans of America, prepare to deliver Thanksgiving food stuffs to military families in need. The Command Master Chiefs for NWC and VX-5 identified

three families from each command in need of this assistance and the Vietnam Veterans did the rest. They also serviced a Vietnam era veteran now living in the area with his family who was in need of a helping hand at Thanksgiving.



Memorial Log for sailors

Sailors, past and present, can be enrolled in the Navy Memorial Log, to be housed in a visitor's center next to the U.S. Navy Memorial in Washington, D.C.

For a minimum \$25 tax-deductible donation, anyone can enroll friends or relatives who have served, or now serve, in the Navy.

The Navy Memorial Log is a computerized repository of names which have been entered by individuals themselves in memory of loved ones or shipmates or as commemorative gifts. More than 50,000 names have already been entered on the log. Each entry will show the name, highest rank or rank held, dates of services and date and place of birth/.

There is a Monday, Dec. 15 deadline for those who want to get their names on the log in time for Christmas. A special card for presentation at Christmas will be mailed to the donor.

Donations, payable to the U.S. Navy Memorial Fund, should be sent to:
U.S. Navy Memorial Foundation
Box 12728
Arlington, VA 22209-8728

For additional information call (toll-free) 800-821-8892.

OUTSTANDING ACHIEVEMENT—Capt. John Burt, NWC Commander, presents Capt. K. E. Allen, head of the Aircraft Department, with a safety award representing one million hours of safe operations in that department. During the period from July 24, 1985 through the end of October of this year, despite the dangers of working around aircraft, no lost time injuries were recorded.

Technical Mentor Program rated a huge success

Seven high school students have been selected to participate in this year's Technical Mentor program. The program now in its second year includes students from Trona High School and Burroughs High School. It is hoped the program will be expanded to other area high schools in the future.

The purpose of the program is to provide students interested in science and engineering an opportunity to gain work experience under the guidance of a Technical Mentor. This work experience will give students a first-hand understanding of scientific methods and a chance to work in a professional atmosphere in order that they may develop and nurture their personal interests. Once the student has successfully completed the 2-year program, an offer may be made to enter the Center's Cooperative Education Training Program.

"It's a program in which everyone benefits," says Mike Stringham, one of the program advisors. "The Center benefits because we get some help with work we could not otherwise be able to accomplish and we will eventually be able to increase the numbers of Junior Professional employees who have some feel for the type of work that we do here. Even those students who do not return to NWC will talk about what they have done here to other college students when they go off to school, so it's a great recruiting tool."

Stringham says that, "It's also very refreshing for the mentors who work with these kids — they are so enthusiastic!"

Ken Iwamura, one of the students who has been involved for more than a year, works in the Earth and Planetary Sciences Building for Dr. Glenn Roquemore. He says that he has been "doing a little bit of everything" from analyzing earthquakes that took place in the past (seeing if these were part of either Little Lake or Airport Lake faults) to collecting data tapes and matching these for a magma body study to working on a disaster preparedness film.

Iwamura also communicates with other establishments because he sends earthquake data to the California Institute of Technology by computer and sends

the tapes on the magma body study to Sandia Laboratories for analysis.

"I'm probably going to go into some phase of engineering," he says, "though not necessarily anything connected with what I've been doing here."

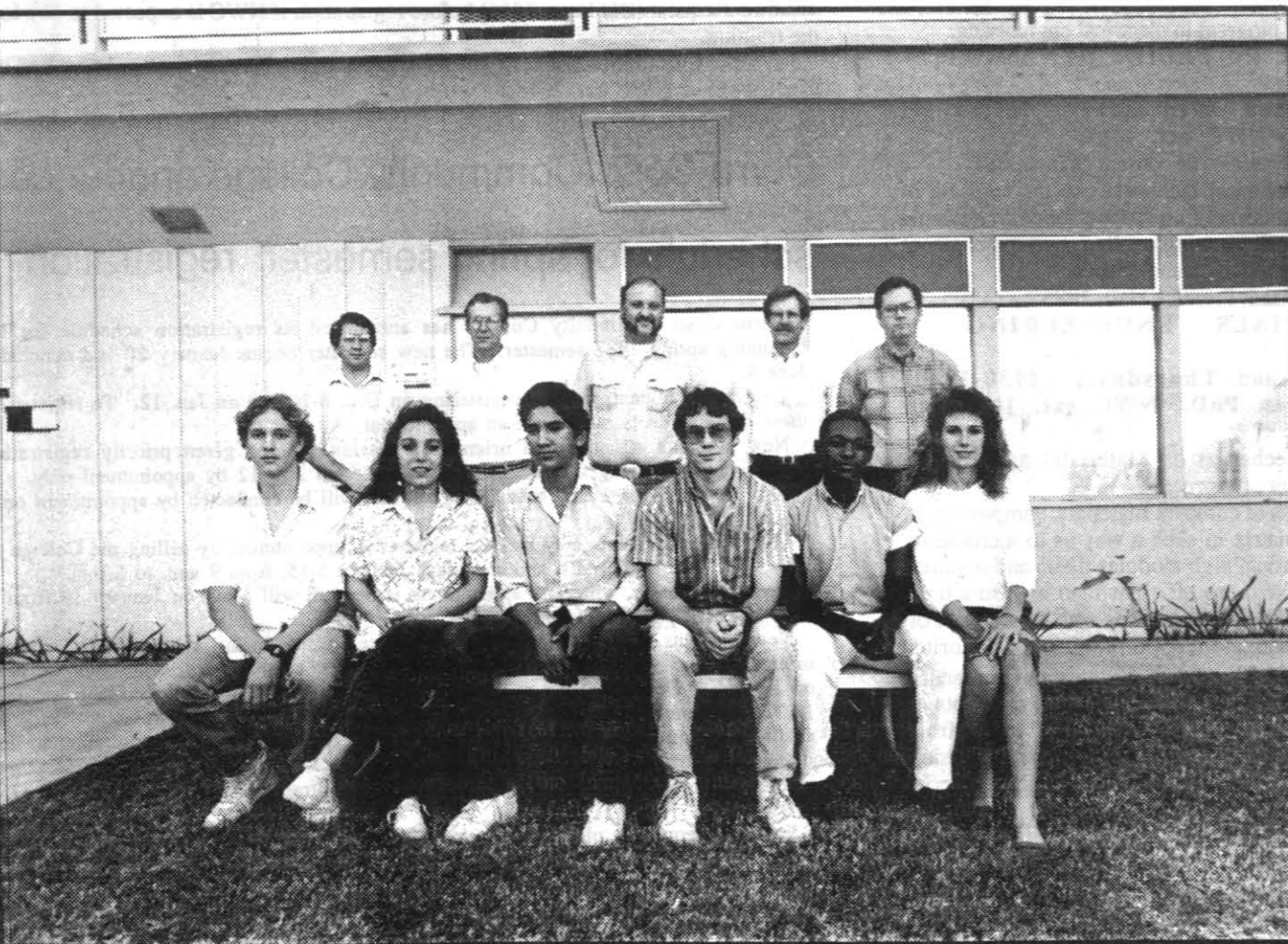
Dr. Roquemore says, "Thanks to Ken's work, we've been able to keep on top of some tasks that we would otherwise not have been able to tackle. He's been a very solid contribution to the work of the Applied Geoscience Research Group."

This year's students and Technical Mentors are:

Student	Technical Mentor
Letia Bluejacket (Trona)	Lanny Phillips (Code 3142)
Diane P. Creceulis (Burroughs)	Stacy Howard (Code 3272)
Frances K. Wu (Burroughs)	Jo Covino (Code 3891)
Tony Sepulveda (Trona)	John Ayers (Code 3921)
Rickey Gossett (Trona)	Luke Borel (Code 3924)
Keith Carey (Burroughs)	John Owens (Code 3925)
Mike Osborne (Burroughs)	Bill Bailey (Code 3955)

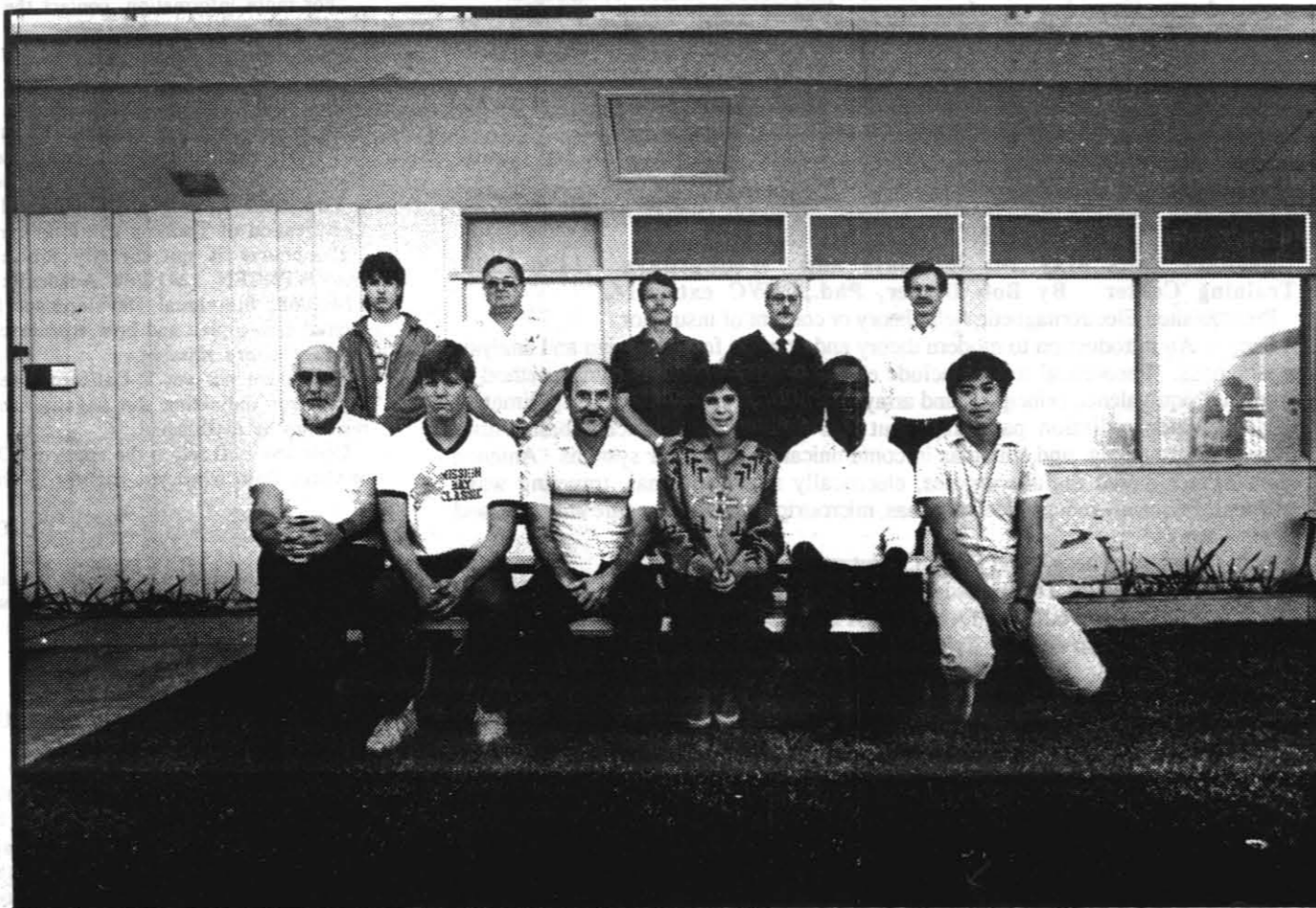
Six senior students from Burroughs High School have been participating in the program for over a year. A brief summary of what they have been working on is given. The students and Technical Mentors are:

G. Clayton Hoggard, works with electronics assembly, Daniel Allen (Code 3113); Terence Sylwka, works on a variety of computer projects, Allen Jones (Code 3141); Celeste Beres, worked on Project EARS and has participated as a team member on designing and building breadboard layouts, Dave Schriener (Code 3312); Ken Sandberg, works with a variety of computers and printers, Stan Anderson (Code 3683); Ken Iwamura, works on analyzing earthquake data, Dr. Glenn Roquemore (Code 38908); and Brian Hayes, works on a variety of projects in the electronics area, Bob Stedman (Code 3902).



NEW EXPERIENCES — Juniors in NWC's Technical Mentor Program take time away from their interesting tasks to pose with Center employees who take the time to work with the students.

MENTOR PROGRAM — Senior students in the Naval Weapons Center Technical Mentor Program are seen with some of the Center employees who supervised their experience at NWC.



PROMOTIONAL OPPORTUNITIES

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

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

No. 14-012, Communications Specialist, DS-393-3, Code 1423 — The incumbent oversees and directs telephone system operations and maintenance tasks. In addition, the incumbent provides assistance in conducting telecommunications surveys and studies, reviews communications service requests for telephone services, compiles reports for reviews, reviews construction projects and telephone equipment projects. **Job Elements:** Knowledge of a broad range of voice and data telecommunications services, switching systems and test equipment. **Ability:** to recognize technical problems and to analyze potential solutions; to establish or interpret communications policies, planning objectives and operating and performance standards; to read and interpret engineering plans and specifications; to communicate effectively with all levels of personnel, both orally and in writing. Position is at the full performance level. Previous applicants need not reapply.

No. 26-080, Facilities Management Specialist, DA-1640-3, Code 2681 — The incumbent is responsible for providing guidance, counsel and advice to all Technical Representatives of the Commanding Officer (TRCOS) as assigned on matters pertaining to service and support tasks required by the contracts in force. **Elements:** Knowledge of workflow utilized in indefinite quantity contract, general knowledge of multiple trades practices; ability to communicate effectively orally and in writing; ability to use blueprints, schematics and architectural drawings; ability to plan, coordinate and assist in preparation, review and approval of quality assurance plans relating to indefinite quality contracts.

No. 26-079, Procurement Clerk (Typing), GS-1106-4/5, Code 268 — Assists in the administration of contracts under the Contract Administration Branch. The function of this position is to assure the prompt processing of work orders, invoice processing, Data Base Management of Contractual data, contract files, change order processing and other related contract functions. **KSAs:** knowledge of procurement procedures and of office administration procedures. **Ability** to work with others and to communicate orally and in writing; to plan work and adapt to shifting of priority work. **Promotion potential to GS-4.**

No. 26-081, Industrial Property Management Specialist, DA-1103-3, Code 2681 — The incumbent provides technical effort in the administration of contract provisions relating to control of government property in the possession of contractors from acquisition to disposition. **Elements:** Knowledge of and ability to evaluate, monitor, administer or coordinate industrial property management programs; ability to communicate well both orally and in writing; ability to analyze damage to government property. Position is at the full performance level.

No. 39-050, Supervisory Interdisciplinary (General, Mechanical, Aerospace, Electronics Engineer), DP-301/830/855/861-3/4, Code 39E — This is head, Advanced Projects Office, Weapons Department. 39E applies advanced technology to current weapons and future weapon system concepts. The incumbent will manage a team of personnel involved in a variety of highly classified, high priority projects. **Elements:** Knowledge of operation and weapons development/acquisition procedures; knowledge of aircraft and missile systems state-of-the-art technology; ability to prepare and present (both orally and in writing) technical management reviews; ability to interface with all levels of management, both on- and off-Center; ability to supervise; willingness to support NWC EEO goals and policies. Incumbent must be able to obtain Top Secret Clearance. The candidate selected for this position may be required to serve a one-year supervisory/managerial probationary period. Previous applicants need not apply. **Promotion potential to DP-4, but not guaranteed.**

No. 62-105, Electronics Technician, DT-856-1/2/3, Code 6256 — This position is located in the Radar Branch of the Data Systems Division. The incumbent will support range radar operations, operate/repair, modify, maintain and calibrate radar systems and related equipment; and develop, construct and maintain on-axis radar system. **Knowledge:** of radar and radar systems; of transmitter circuit (HV, RF, power safety); of application, design and maintenance of RF threat simulation; and of electro-mechanical systems, development and production processes. **Promotion potential to DT-4.**

No. 62-122, Supervisory Electronics Engineer, DP-855/3, Code 62221 — This is a challenging, growth position as head of the Electronics Section of the Track Operations Branch of the Range Department. It is at the SNORT Facility and provides opportunities for the application of both management and technical abilities. The successful candidate will lead a team of skilled electronics engineers and technicians in the design and execution of a wide variety of dynamic, high priority assignments. Tasks include design and development of electronics devices and their application to measurement, recording, timing, control, data acquisition and data processing. There are also routine interfaces with contractors and with military personnel. **Knowledge:** of electronic instrumentation including both analog and digital techniques; of telemetry, video and communication operations; of DEC/VAX functions. **Abilities:** to work effectively with personnel at all levels; to communicate effectively both orally and in writing; willingness to support NWC EEO goals and policies. New supervisors will be required to serve a one year supervisory probationary period. **Promotion potential to DP-3.** Previous applicants need not reapply.

No. 62-125, Electronics Technician, DT-856-2/3, Code 6255 (Multiple vacancies) — The Advanced Systems Branch of the Range Department has opportunities for talented technicians who would enjoy participating in the development of complex range instrumentation systems and following that development through to early deployment on the Range. **Knowledge:** of basic analog and digital electronic circuits and electronic documentation; of microprocessors, control systems, lasers and/or video systems. **Abilities:** to work effectively with people; to work in a hands-on environment. Our programs are relatively small and our probability of fielding systems is high. Openings are available to work on Laser Tracking, Advanced Video and Video Tracking Systems. **Promotion potential to DT-3.**

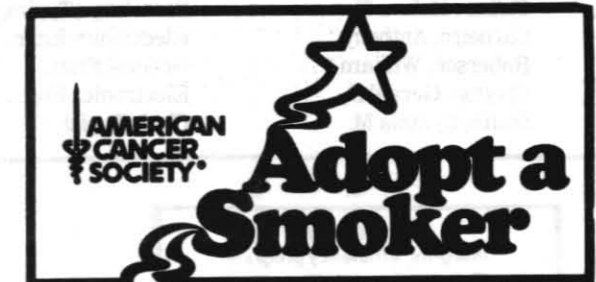
No. 62-127, Test Scheduler, DS-301-1, Code 62C3 — This position is located in Projects Scheduling of the Projects Requirements Office, Projects Office, Range Department. The incumbent is the alternate Test Scheduler. **Duties include:** coordination of NAVWPNCEN air, ground and track project testing with the R-2508 Complex airspace through constant liaison with all responsible R-2508 agencies; perform as alternate NWC representative on the R-2508 RASS users committee; development, maintenance and reporting of Aircraft Usage Plan, Radio Frequency Usage and Test Forecast and Range Utilization reports. During the Test Scheduler's absence, the incumbent is responsible for workload planning, the production of the Daily Tests Schedule and the coordination of the various functions that are affected by the test events scheduled. **Abilities:** to communicate and interface effectively in a coordinative capacity. **Knowledge:** of the R-2508 Complex and its operating policies and procedures of NAVWPNCEN range operations sufficient for making real-time

scheduling decisions; of computer applications relative to operation of range scheduling systems. **Promotion potential to DS-3.**

No. 62-128, Geodetic Technician, DT-1374-2/3, Code 6231 — This position is located in the Electro-Optical Branch, Instrumentation Division, Range Department. The incumbent will plan and perform survey work using state of the art survey equipment such as Total Stations, Electronic Distance Measuring (EDM) devices, precise levels, theodolites and computers for the purpose of gathering test data for the NAVWPNCEN and tri-service test ranges. **Knowledge:** of precise survey methods and equipment and their uses for gathering field test data; of mapping; of current field instrumentation equipment including operation and programming of various configurations of Apple and Hewlett Packard computers. **Abilities:** to support a specific project/program and assist project engineers in accomplishing their goals. Typical equipment used within the branch, but not limited to, are: theodolites, EDM's, precise levels, alignment gear and alidades. **Promotion potential to DT-3.**

No. 62-129, Electronics Technician, DT-856-3, Code 62311 — This position is located in the Electro-Optical Branch, Instrumentation Division, Range Department. The incumbent operates, maintains and provides limited design and development of highly specialized optical and electronic devices, including laser equipment, to gather test data for NAVWPNCEN ranges; performs work using specialized optical, video and tracking equipment and improvises new methods and techniques for using such equipment. Assists in planning and conducting field tests. **Knowledge:** of photo-optical and electro-optical systems and their uses for gathering field test data; of photo-optical, electro-optical equipment; of current field instrumentation technology, data links, laser tracking range operations, modern weapons systems and test and evaluation operations. **Abilities:** to support a specific project/program and assist project engineers in accomplishing their goals. Typical equipment used within the Branch, but not restricted to, are: cine sextants and cine theodolite tracking equipment, various medium and high speed cameras, specialized shuttered video cameras and recorders. **Promotion potential to DT-3.**

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 the 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 data to Range customers. Incumbent will provide technical support to this system. **Abilities:** to read schematics; to operate, maintain and repair large sophisticated computer systems including peripherals; familiarity with video systems, communications devices, data interfaces and the operations thereof; familiarity with range operations and SEL computer systems. **Promotion potential to DT-3.**



Reassignment opportunities

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

No. 39-005, **Interdisciplinary (Electronics Engineer/Research Physicist)**, DP-855/1310-3/4, Code 3814 — This position is located in RF and Microwave Technology Branch, Physics Division, Research Department. The incumbent will conduct fundamental and applied research in the following areas: design, test and evaluation of microstrip and millimeter wave frequencies, design, test and evaluation of planar antennas and antenna arrays at microwave and millimeter wave frequencies and incorporation of two terminal active devices into antenna arrays. The incumbent proposes new techniques, devices, documents results in written papers/reports and at scientific meetings. Meets and interfaces with research sponsors at NWC, ONR and other organizations. Exchanges his research results with colleagues in government, academia and industry. Please send applications to Robert Dinger, Code 3814.

No. 39-055, **Interdisciplinary (General/Electronics/Mechanical/Aerospace/Industrial Engineer/Physicist)**, DP-801/855/830/861/896/1310-3, Code 39B4 — This position is in the RAM Project Office as Manager for Rolling Airframe Missile (RAM) Government Furnished Material (GFM) components. RAM is in the final phases of FSED testing and is going into the production phase. Duties of the position involve the management of the Contact Fuze, Proximity Fuze, Arming-Firing Device, Reduced Smoke Motor and applicable Test Sets. Responsibilities include transitioning GFM components to production, maintaining project assurance, coordinating environmental qualifications, maintaining GFM inventory and monitor-

ing of GFM performance for Test and Evaluation. Please submit current SF-171 to B. Campbell, Code 39B4, NWC ext. 3741.

No. 39-056, **Interdisciplinary (General/Electronics/Mechanical/Aerospace Engineer/Physicist)**, DP-801/855/830/861/1310-3, Code 39A5 — This position is located in the Weapons Department, Special Projects Office. The incumbent will function in a systems engineering role supporting the System Engineer on a major tri-service weapons system development program. Incumbent will be responsible for maintaining an overview of all technical aspects of the weapon system development, making technical recommendations to the NWC program manager and directing specific technical efforts. The incumbent will be responsible for providing Navy technical interface in specialized areas with the sponsor, other services and contractor activities. Previous experience with Full Scale Engineering Developments and a broad technical background in weapon system development is desirable. Send a complete updated SF-171 to Tom Zulkowski, Code 39A5, NWC ext. 1543.

No. 62-126, **Mechanical Engineer**, DP-830-2/3, Code 62113 — This position is located in the Ballistics Test Branch of the Range Department. The incumbent will work in the Engineering Support Section which is responsible for the design and documentation of hardware and facilities for static testing of rocket propulsion systems and other ordnance items. Also responsible for supervision of construction, fabrication and assembly/checkout of hardware prior to test. Send copy of current SF-171 to Ron Morey, Code 621, NWC ext. 7252. Promotion potential to DP-3.

Recent Additions

Code	Name	Title
0842	Thorpe, Donald J.	Computer Spec. Supvy.
25246	Jones, Carol A.	Procurement Asst.
26436	Piper, Crim A.	Electrician (High Volt)
32024	Pringle, Kirsten	Clerk-Typist
3352	Quail, Renne J.	Secretary (Typing)
3643	Jansen, Kris M.	Machined Parts Inspect.
3651	Welfl, Ilene M.	Clerk-Typist
36823	Briggs, Kenneth H.	Qual. Assurance Spec.

Recent Separations

Code	Name	Title
1423	Hazlewood, Rita A.	Communications Spec.
2522	King, Sheryl M.	Purchasing Agent
26904	Nyholm, Carl A.	Engrg. Equip. Opr.
3383	Chikar, Helena T.	Secretary (Typing)
3902	Carneiro, Anthony	Electronics Engr.
3908	Roberson, William Y.	General Engr.
3925	Clayton, Gerald F.	Electronics Engr.
3943	Smith, Cynthia M.	Clerk-Typist

NWC HOTLINE
Integrity, efficiency program
Call: NWC ext. 3638 (24 hrs.)
or call the Inspector General at
(800)522-3451 (toll free)
288-6743 (Autovon)
1207433-6743 (commercial)



Personnel Development Opportunities

SELF-STUDY COURSES

MISSILE GUIDANCE AND CONTROL

Training Center. By Dr. Barry Mons and Larry Weaver.
Prerequisite: BS in electrical or mechanical engineering (or equivalent) and completion of one or more courses on classical and modern control systems.

Objectives: This course was video taped before a live audience at NWC in May 1986. It is now available on 3/4-inch cassettes. The principal objective of the course is to update practicing engineers in the applications of the techniques of classical and modern control systems to the problem of missile guidance and control. The learning objectives are (1) to review control systems theory and develop missile airframe dynamics in terms of control systems models; (2) to achieve an understanding of the missile autopilot design problems; (3) to achieve an understanding and develop models of the seekers used in the missile homing process; and (4) to give insight in the guidance equations implementation in modern missile systems.

Scope: Provides an overview on the design of tactical guided missiles with the emphasis on RF homing missiles. The course covers design considerations of autopilots, missile guidance equations, seekers and tracking loops, and the missile development process.

POWER COMMUNICATION SKILLS (POLITICAL SAVVY AND LEADERSHIP SKILLS FOR WOMEN)

Training Center. By Susan Dellinger
Scope: Topics include

- Beyond assertiveness -- how to move to the next step, power
- How to orchestrate it all -- the look, the walk, the voice, the words -- into one powerful package
- How promotion decisions are really made (and how to get them made in your favor)
- The three conflicts you must avoid
- Executive strategic planning made simple
- What "teamwork" really means
- Why you don't get the whole truth in your performance evaluations
- How to avoid the ten most common blunders that sabotage many women aiming for the top
- "Die before cry" escape hatches that work
- Cleaning up our own act: women working with women
- Specific strategies for dealing with a tough boss, negotiations, crises, and meetings.

CORROSION CONTROL

Open enrollment; Video self-study; Training Center. By Joe Menke.

Note: This course was video taped before a live audience at Cerro Coso Lecture Center in June 1986. It is now available for viewing on 3/4-inch cassettes. It includes all demos, slides, and films used in the course. The course was taught by Joe Menke, U.S. Army Armament Command, Rock Island Arsenal.

Scope: Reviews the state of the art of corrosion abatement. The importance of selecting materials and coatings with a view toward the natural or man-made environment in which it operates will be stressed. Design principles will be reviewed in relation to the various types of corrosion such as water intrusion, galvanic, or vapor corrosion. Actual military equipment will be used to illustrate the problems that evolve when erosion protection is not provided in equipment. While intended for design engineers, the course content is extended to include areas of value to production, procurement, standardization, quality assurance, and depot maintenance personnel.

The following is issued by Cerro Coso Community College Counseling Center.

GOAL SETTING GUIDELINES

- Be specific. Set goals that are measurable, ask yourself "how will I know when I have succeeded?"
- Set goals that are time-phased. When will I hope to arrive at my goal? For example, I might set a goal to read two books by the end of the month, rather than a goal "to read more."
- Set realistic goals with some risk involved. If it's too easy, there won't be any challenge or reward in achieving it; if it's too unrealistic, achieving it will be too difficult or impossible.
- Set goals to change your own behavior, not the behavior of someone else. The only person you can change is YOU. For example, "I want to be more consistent in disciplining the children," rather than "I want to make the children mind better."
- Reinforce your more effective behavior by -- a) self reward; b) other reward -- ask for feedback.
- Create a supportive environment -- a) those with common goals; b) workshop leader; c) make others aware of your goals; d) resist sabotage by others.
- Seek the help of others -- a) counselors; b) workshop leader; c) a successful person in that field; d) books on the subject.
- Expect to make mistakes.
- Work on several goals at the same time. If you fall behind in one, you'll be rewarded for progress in the other.
- Evaluate your progress often. Avoid getting hung up on something that is no longer an important priority.

Goals are more often reached when they are ones we want or choose to accomplish than those we feel we should or ought to accomplish.

If you would like to know more about how to set and achieve goals, these are the resources Cerro Coso Community College Counseling Center recommends:

Crystal, John C. and Bolles, Richard N. "Where Do I Go From Here With My Life?" (Berkeley, CA: Ten Speed Press, 1974.) If your life seems to be at a standstill, read this book.

Campbell, David. "If You Don't Know Where You're Going, You'll Probably End Up Somewhere Else." (Allen, TX: Argus Communications, 1974.)

Class schedules for Cal-State Northridge, Bakersfield and Chico

Cal-State Northridge Engineering Program

The following classes are being offered this spring for the Cal-State Northridge Engineering Program (bachelor's and master's degrees). For enrolling in these classes (other than Cerro Coso) submit an on-Center Training Request (NAVWPCEN 12410/73) via department channels to Code 094. Registration will be held in class at the first class meeting. Deadline for enrolling is 10 calendar days before the starting date of the class. Although training requests will be accepted after the deadline, that date will be used to determine whether the class will be held.

ME 370: THERMODYNAMICS (3 semester units)
January 26 - May 18; Mondays; 1530-1830; Training Center. By Professor Tim Fox, CSUN.

Prerequisite: Physics 1a (Mechanics) and Math 6c (Calculus).
Scope: Fundamental theories and engineering applications of thermodynamics with emphasis of first and second laws of thermodynamics. The thermodynamic properties of solids, liquids, gases, and mixtures. Work-producing and work-absorbing system.

Text: "Fundamentals of Classical Thermodynamics," Van Wylen and Sonntag, 3rd Edition, Wiley, SI version.

ME 501B: SEMINAR IN ENGINEERING ANALYSIS (3 semester units)
January 27 - May 21; Tuesdays and Thursdays; 1600-1730; Training Center. By Bob Rockwell, PhD., NWC ext. 5597.

Prerequisite: Graduate standing.
Scope: Vector analysis, calculus of variations, analytic functions of a complex variable, infinite series in the complex plane, theory of residues, and conformal mapping.

Text: "Advanced Engineering Mathematics," Wylie and Barrett, McGraw-Hill, 5th edition.

Note: This is a core course for the master's program in electrical engineering.
ME 590A: ADVANCED TOPICS IN FLUID DYNAMICS -- INVISCID FLOW (3 units)

January 26 - May 20; Mondays and Wednesdays; 1600-1730; Training Center. By Ray Van Aken, NWC ext. 7483.

Prerequisite: Thermodynamics and Fluid Dynamics or consent of instructor.
Scope: Application of analytical and numerical techniques to the solution of inviscid flow problems. Topics include: governing equations, one-dimensional compressible flow with area change, friction, and heating/cooling, two-dimensional compressible flow, linearized flow and the method of characteristics.

Text: "Compressible Fluid Flow," M. A. Saad, Prentice Hall, 1985.

IE 520B: ADVANCED MATERIALS ENGINEERING -- COMPOSITES (3 units)
January 27 - May 21; Tuesdays and Thursdays; 1130-1300; Training Center. By George Hayes, PhD., NWC ext. 1038 and Craig Porter, PhD., NWC ext. 2824.

Prerequisite: AM 420A (Advanced Mechanics of Materials) and IE 427 (Mechanical Properties of Materials) or consent of instructor.

Scope: This course is concerned with a class of complex materials, composites, in which fibers are deliberately oriented in a matrix in such a way as to increase its structural efficiency. The use of unusually strong, high modulus fibers and organic, ceramic, or metal matrices promise to be far more efficient than any structural materials known previously. By combining fibers and matrices with the concept of lamination, designers have today greatly increased opportunities for tailoring structures and/or materials to meet systems of forces and changing environments. The objective of this course is to introduce the student to the basic concepts of mechanical behavior of composite materials. The whole gamut of topics from micromechanics and macromechanics through lamination theory and examples using plate bending theory are developed. Equal time will be spent discussing material science issues and structural analysis/design issues.

Text: TBA.

EE 567: RADAR SYSTEMS (3 units)
January 26 - May 20; Mondays and Wednesdays; 1600-1730; Training Center. By John Johnson, Comarco.

Prerequisite: Some probability and random processes or consent of instructor.
Scope: The course will cover the following: radar concepts and terminology; the radar range equation; detection of targets in noise; CW and frequency-modulated radar; MTI and Pulse-Doppler radar; tracking radar: sequential and simultaneous lobing; radar clutter: area clutter and volume clutter; environmental effects: multipath and atmospheric attenuation; pulse compression; radar and electronic warfare.

Text: "Introduction To Radar Systems," Skolnik, McGraw Hill, 2nd edition, 1980.

Reference: "Introduction To Airborne Radar," Stimson, Hughes Aircraft.
EE 563A: ANTENNA ENGINEERING (3 units)
January 26 - May 20; Mondays and Wednesdays; 1130-1300; Training Center. By Bob Dinger, PhD., NWC ext 1414.

Prerequisite: Electromagnetic field theory or consent of instructor.

Scope: An introduction to modern theory and practice for the design and analysis of antennas. Theoretical topics include electromagnetic fundamentals, method of moments, equivalence principles, and array pattern synthesis. Applied/experimental topics include radiation patterns, input and mutual impedances, bandwidth, impedance matching, and antennas in communication and radar systems. Antenna types to be covered include dipoles, electrically small antennas, traveling wave antennas, frequency independent antennas, microstrip antennas, aperture antennas, and antenna arrays.

Text: "Antenna Theory And Design," Stutzman and Thiel, Wiley.
Reference: "Antenna Theory and Design," Elliot, Prentice Hall.

MATH 477: DIFFERENTIAL EQUATIONS (5 quarter units)
January 16 - March 20; Fridays; 1530-2030 (1-hour dinner break); Training Center. By Professor El-Ansary.

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

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

UNDERGRADUATE PROGRAM IN ELECTRICAL ENGINEERING

The following required courses for the undergraduate electrical engineering program are being offered this semester (quarter).

Class	Days	Time	Location
Cerro Coso Chem 1A	M: W: W:	5-7:15 p.m. 5-7:15 p.m. 8-8:50 p.m.	Lab Recitation
Chem 1B	MWF: W: W:	11-11:50 a.m. 2-4:50 p.m. 1-1:50 p.m.	Lab Recitation
CS 15	T TH: MW: T TH:	8:00-9:00 p.m./9:00-10:20 p.m. 7:30-8:30 p.m./8:30-10:00 p.m. 6:40-8:00 p.m.	
Engr 25	T:	3:30-6:20 p.m.	Lab
Math 6B	MTWTH: MTWTH:	11:30 a.m.-12:20 p.m. 12:30-13:20 p.m.	
Phys 1A	T TH: T:	5:00-6:20 p.m. 7:00-9:50 p.m.	Lab Recitation

Cal State Bakersfield
Math 477A Differential Equations F: 3:30-8:30 p.m. (1-hour dinner break)

Cal State University Northridge
ME 370 Thermodynamics (see description given above)

GENERAL COMMENTS

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

Cerro Coso Community College announces schedule for spring semester registration

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

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

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

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

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

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

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

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

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

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

CENTER TUITION SUPPORT

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

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

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

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

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

CO-OP STUDENTS

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

ENROLLMENT DEADLINE

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