

Scholarships being offered for spouses, military dependents

The Military Officer's Wives Club of China Lake is awarding up to \$3,500 in scholarships of varying amounts. Those eligible for the scholarships are dependents and spouses of active duty or retired US military personnel currently residing in the Ridgecrest area.

Applications can be picked up in the Scholarship Office of Cerro Coso Community College, Burroughs High School or Mesquite High School. Anyone eligible and who is going to enter or continue in a four year college or university, trade school or community college is encouraged to apply for these scholarships.

The scholarships will be awarded on the basis of merit and need.

The scholarship applications have instructions attached and the deadline for the applications is Wednesday.

Annual fashion show, officer installation at WACOM meeting

"A Potpourri of Fashion" is the theme of the final 1984-85 luncheon of the Women's Auxiliary of the Commissioned Officers' Mess to be held on Tuesday at 11 a.m.

Reservations for the luncheon and for the fashion show are required for WACOM members and their guests.

Officers for the 1984-85 year will be installed before the fashion show. The new officers are Gunilla Giegerich, president; Fayelene Thelan, vice-president; Gabriela Scofield, secretary, and Tricia Paschall, treasurer.

Certificates for hours worked at the Thrift Shop will also be presented.

Fashions to be modeled include clothing from D'Allen's Gentlemen's Apparel, Gorrone's Fashions for Guys and Gals, Main Street, MAJ of Honolulu, McNeil's, J. C. Penney, The Pinafore Shoppe, and the Pink Ladies' Shop.

Navy Hotline
for Fraud, Waste and Abuse
Call: NWC ext. 3521
or call the Inspector General at:
(800) 522-3451 (toll free)
288-6743 (Autovon)
(202) 433-6743 (commercial)



REPEAT PERFORMANCE — Scott Miller, who starred in the CLOTA production, "Jesus Christ Superstar," sings one of his numbers from that show in rehearsal for the upcoming retrospective "Yesterday, Today, Tomorrow." This retrospective will include numbers from many of the shows presented during the 20 years CLOTA has been established, as well as other numbers for shows planned for the future. All tickets for the performances on Friday and Saturday, May 17 and 18, at Burroughs High School lecture center are priced at \$7.50 for all ages. They may be purchased in advance from cast members, and at The Music Man, The Booklet, Medical Arts Pharmacy, Farris' and Robert's Hallmark in Ridgecrest. — Photo by Clay Babcock

Welcome aboard set for military officers, JPs next Thursday

A Welcome Aboard party will be held in the Commissioned Officers' Mess on Thursday, starting at 5:30 p.m. To be honored are newly arrived Junior Professional employees and military officers.

Supervisors, co-workers and friends are encouraged to attend. Charges for all except those being honored are \$3 for the hors d'oeuvres that will be served.

Those being welcomed include Brian Barbaris, John Barnes, Knut Beruldsen, Deborah Clark, Steven Cooper, Paul Coronado, Dan Crowley, Robert Dahl, Theron Daniels, Angela Davis, David DeKruger, Michael Derby, John Gallagher, Kelly Geier, Roger Gottheimer, Trung Hoang, Timothy Hurd, Hyun Kim, and Curtis Johnson.

Also being welcomed are Lisa Keene, Mark Kolstoe, Scott Lang, Tony Lao, Meredith Leitch, Peter Lilly, Scott McDowell, Wayne McGill, Sara Morrison, Imelda Nee, Thuy Ha Nguyen, George Petty, Thomas Schilling, Gary Schmidt, Cathy Spiker, Molly Stoner, Lucia Tateo, Ngo Vu, Wayne Willhite, and Alan Yehle.

Military officers being welcomed are Capt. John Patterson; Capt. George Van Tine, USMC; Cdr. John Rhodes; Lt. Perry Clinkscales; and Flt. Lt. Geoffrey Barnes, Royal Australian Air Force.

NEX NEWS

The Navy Exchange has new hours of operation for the Automotive Service Center. These are Mondays to Fridays, 9 a.m. to 5 p.m.; Saturdays, 8:30 a.m. to 3 p.m.; and they will be closed on Sundays.

The NEX Optical Shop will be closed May 14 through 18.

Many sales are already in progress and from May 14-19, an Armed Forces Day Sale will take place.

In conjunction with the Armed Forces Day Sale, a Car Care & Battery Sale will begin May 16 and last through May 18.

Movies

FRIDAY	"COUNTRY"	MAY 10
	Starring Jessica Lange and Sam Shepard (Drama, Rated R, 89 min.)	
SATURDAY	"CITY HEAT"	MAY 11
	Starring Clint Eastwood and Burt Reynolds (Mystery-Spoof, Rated PG, 98 min.)	
SUNDAY	"CITY HEAT"	MAY 12
	Starring Clint Eastwood and Burt Reynolds (Mystery-Spoof, Rated PG, 98 min.)	
MONDAY	"COUNTRY"	MAY 13
	Starring Jessica Lange and Sam Shepard (Drama, Rated R, 89 min.)	
WEDNESDAY	"UNTIL SEPTEMBER"	MAY 15
	Starring Karen Allen and Thierry L'Hermitte (Romantic-Drama, Rated R, 96 min.)	
FRIDAY	"2010"	MAY 17
	Starring Roy Scheider and John Lithgow (Science-Fiction, Rated PG, 116 min.)	

Starting Times: Matinee / 2:00 pm Evening / 7:00 pm
Box Office Open: Matinee / 1:30 pm Evening / 6:30 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:
1985 — No. 29004

FROM: _____ PLACE STAMP HERE

TO: _____

IEEE members, guests to hear discussion of cognitive science

Bob Estell, a software architect, will talk about "The Universe Within" at an open meeting of the China Lake Section of the Institute of Electrical and Electronics Engineers on Wednesday.

The meeting will be held in the Chart Room of the Commissioned Officers' Mess at 11:30 a.m. The buffet line is recommended rather than individual orders. Advance reservations are not required.

Estell will discuss cognitive science, a discipline that explores the structure and function of the brain. Cognitive science uses materials from the subjects of psychiatry, psychology and neurosurgery, among others, and interacts significantly with computer science.

"The Universe Within" is the title of a book written by Morton Hunt.

Estell has degrees in mathematics and systems management, as well as professional experience in computer software.

Cub Scout Pack 341 to hold open meeting for boys, parents

Cub Scout Pack 341 is planning an open pack meeting on Monday, May 20 for interested boys and their parents.

Open to boys in grades two through five, the pack meetings in the east wing of the All-Faith Chapel. The open meeting is set for 6:30 to 8 p.m. on May 20.

Anyone interested in additional information can call Dan or Sally Harris at 446-5848.

Weekend Roundup

Sierra Academy of Dance will present its annual dance benefit production tomorrow and next Friday and Saturday at 7 p.m. at the Cerro Coso lecture hall. In addition, there will be a 2 p.m. matinee performance on Sunday, May 19.

More than 100 dancers, performing a wide range of dances, will be featured. Admission is \$3 for adults and \$2 for children, students and senior citizens. All proceeds go to the Theresa Allen Memorial Scholarship fund to benefit nursing students at the college.

Members and guests are invited to dine out at the Commissioned Officers' Mess for Membership night tonight.

The special menu for the evening will be steamboat round and fried chicken. Dinner will be served from 6-9 p.m. and the "Country Rose" band will play for both dancing and listening pleasure from 8 to midnight.

Also offered at the COM this weekend is a special Mother's Day brunch, which will be served from 9:30 to 1:30. Price per plate is \$4.95 for adults and \$3.50 for children. Reservations are requested.

The Enlisted Mess invites the public to rock the evening away with them on Friday to a top rock band named "Know." The band will start playing at 9 p.m. and continue until 1:30 a.m.

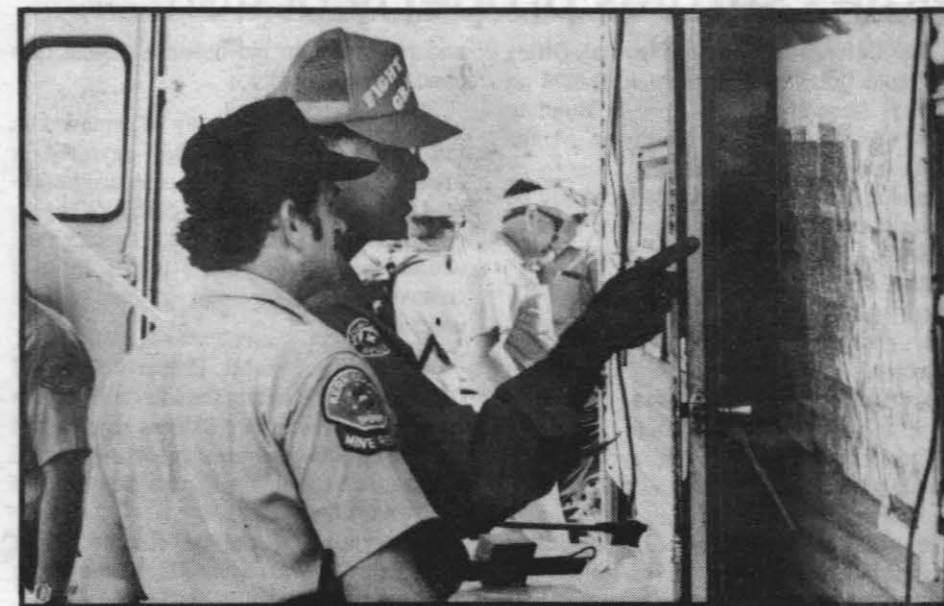
The EM menu dinner special will be steak and shrimp for \$9.25 a plate and will be served from 6 to 9.

Reservations are not required. "Mom's the word" at the Chief Petty Officers' Mess Club on Mother's Day, Sunday, May 12. From 1-5 p.m. the CPOM will be featuring a delicious buffet in honor of the wives and mothers who contribute so much to their families' comfort and happiness all year long.

The menu is comprised of succulent steamboat round, roast tom turkey, oven brown gravy, whipped snowflake potatoes, buttered mixed vegetables, crisp tossed salad, hot dinner rolls, fruit jello with whipped cream topping and coffee or tea.

Make this a memorable Mother's Day for that special "sweetie" by taking her to the brunch. Please call NWC ext. 3633 for reservations.

CLMRG active in weekend SAR seminar



MANPOWER ASSESSMENT — Al Green, (left), China Lake Mountain Rescue Group coordinator, talks to Ron Smith, IWV SAR Captain, about manpower during Saturday's search for a simulated missing aircraft near Short Canyon.

Area Search and Rescue (SAR) teams were joined by similar groups from throughout Kern County over the weekend for a SAR Seminar sponsored by the Kern County Sheriff's Office.

With the China Lake Mountain Rescue Group acting as hosts for the weekend, the teams worked on various SAR techniques including locating a missing aircraft, mine rescue and base camp management.

Much of Saturday's session was spent searching for a missing aircraft. The plane, according to the seminar scenario, was en route to Van Nuys when it was reported missing. The last radar fix had been near Dunnovin, about 35 miles north of the base camp in Short Canyon.

Searchers fanned out in cars, trucks, fixed wing aircraft and the NWC SAR helo seeking the missing plane.

The aircraft had been equipped with an emergency radio beacon and searches used radio direction finders to get bearings on the downed plane.

These bearings were relayed, via radio, to

base camp personnel who plotted them on a map to gain a fix on the probable location of the wrecked aircraft.

Lt. Carl Sparks, SAR Coordinator for the Sheriff's Office, noted the first fix on the beacon to start the location process.

Ground teams used four-wheel drive vehicles to spread out and gain additional bearings and the NWC SAR helo lifted observers and tracking teams into terrain cars and trucks couldn't reach.

After the teams had pinpointed the location, rescue work for the three persons on board began.

Also part of the simulated rescue situation was a motorcycle accident that searchers would come across during the day as a chance to use first aid training.

Saturday night teams took part in a night tracking exercise following dinner provided by the Sheriff's Office.

Sunday morning the Indian Wells Valley SAR team gave a mine rescue demonstra-

(Continued on Page 11)

NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XL, No. 19 / May 10, 1985

NRS opens annual drive for funding

Military and civilian personnel have the opportunity to win prizes as well as contribute to a good cause in this year's Navy Relief Society fund drive.

Prizes to be offered in a drawing held on June 6 include a choice of basic models (including the new sports model) of a Suzuki Quadrunner all terrain vehicle from Bob Foster's Super Cycle in Ridgecrest for the first number drawn.

Second prize is either a Schwinn Sprint 10-speed adult bicycle or a Schwinn Predator bike from T. J. Frisbee's store in Ridgecrest.

The third place winner has a choice of a \$25 gift certificate for dinner from Le Parc or the Hideaway restaurants in Ridgecrest, with the fourth number drawn receiving the other gift certificate.

Donations for tickets are \$2 per ticket or 6 tickets for \$10. Tickets are available from key personnel, from the Navy Relief Society office (located at 1811 Lauritsen, and open on Mondays, Wednesdays and Fridays from 11 a.m. until 2 p.m.), and from LCdr. Richard Bruce, Code 3107, who can be reached at NWC ext. 5608.

Donations can also be made at tables that will be set up at various places around the Center until the drive ends on June 6. Cash

(Continued on Page 9)



REALISTIC SIMULATION — Although the disaster was just a drill, "victims" still received concerned care by personnel from the Branch Medical and Dental Clinics as though their injuries were real.

Center personnel respond to mock disaster

Last Thursday shortly after noon the Center theater roof collapsed, trapping approximately 30 people in the theater. At least, that's the scenario used for an unannounced disaster drill sponsored jointly by the Branch Medical and Dental Clinics, the Center's Fire Division and the China Lake Police Division.

Inside the theater, the volunteer "victims" had been well rehearsed to simulate a variety of injuries. Both the medical personnel and the Fire Division personnel commented on the superb acting job done

by the military who volunteered to assist.

(Adding to the realism of the disaster drill was an actual fire call for smoke in the Michelson Laboratory lobby that occurred just as the "disaster" call was relayed.)

Rolling on the disaster were two pumpers, the assistant fire chief's truck and one ambulance. As soon as Fire Division personnel arrived at the scene and assessed the scope of the "disaster," they immediately called for the backup ambulance and the ambulance from Fire Station 3 to help, as well as calling for help

from the China Lake police.

Since no fire was reported in the scenario, the operation proceeded as a rescue drill.

The Emergency Medical Service Officer from the Fire Division did an initial survey in the theater where the victims lay, and tagged these to show the priority with which they were to be transported.

Structural fire crews then moved the victims to a triage area set up under the canopy between the theater entrance and the snack bar, where Captain Frank Holley

acted as triage and transport officer, while Deputy Fire Chief D. R. Johnson served to coordinate the exercise.

(Continued on Page 4)

The Rocketeer is celebrating its 40th anniversary today, May 10. There is a four-page special section enclosed in today's paper highlighting some of the important events.



Divine Services
PROTESTANT

SUNDAY WORSHIP SERVICE 10 a.m.
SUNDAY SCHOOL (Annexes 1, 2 and 4) 8:30 a.m.
BIBLE STUDY (East Wing)
Tuesday 7:30 p.m. (Nursery provided)
Wednesday 11:30 a.m.
Thursday 7 p.m. Officer's Christian Fellowship
Christian Military Fellowship

ROMAN CATHOLIC
SUNDAY MASS 8:30 a.m.
COMMUNION SERVICE (Monday) 11:35 a.m.
DAILY MASS (Tuesday through Friday) 11:35 a.m.
CONFESSIONS (Friday) 4:30-5 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday) 10 a.m.
JEWISH
WEEKLY SERVICES (Friday, East Wing) 7:30 p.m.
ADULT EDUCATION (Saturdays, Annex 4) 9 a.m.
RELIGIOUS SCHOOL (Sundays, Annex 95) 9 a.m.
Chaplain J. Milton Collins, Capt., CHC, USN
Chaplain A. J. Smith, Cdr., CHC, USN
Chaplain Jason E. Knott, Lt., CHC, USN
Phone, NWC ext. 3506, 3507

Bad effect of stress on career women topic of ESCN talk

Dr. Jeffrey Besser, an Organizational Development Specialist at NWC, will discuss "How Stress and Coronary Heart Disease Affect Career Women" at the May meeting of the East Sierra Career Women's Network.

The meeting will be at LeParc Restaurant in Ridgecrest, with networking to begin at 6 p.m. and dinner to be served at 7 o'clock.

Prepaid reservations are required. The price of \$8.50 per person includes a chef salad, dessert, coffee or tea, tax and tip. Reservations may be made by sending a check to ESCN, 429 Tepatitlan Court, Ridgecrest, CA 93555.

According to Dr. Besser, the idea that women had some immunity from heart disease because of female sex hormones is no longer considered to be true. There is an increasing incidence of heart disease among women as they become more Type A, possibly as a result of more women entering the work force.

He will discuss the relationship between certain personality characteristics and behaviors as they relate to the probability of getting a heart attack.

Anyone with any questions about the meeting or ESCN should telephone 446-3105 after 4:30 p.m.

Employee in the Spotlight

Gary Flagg enjoys work with NWC Fire Division

After living in the Indian Wells Valley since 1945 Gary Flagg can't be blamed for thinking this is a pretty special and downright nice place to live.

Flagg, now a communications specialist and driver-operator for the China Lake Fire Division, has been in the firefighting business since coming to work for the Center in 1966.

Looking back, Flagg recalls the Center was in the process of switching to an all civilian firefighting force at the time.

After several years as a firefighter he moved into a driver-operator position and finally assumed communication specialist duties in addition to being a driver-operator.

One of just two communication specialists in the division, Flagg notes he was attracted by the caliber of people in the Fire Division and by the schedule which has him working 24-hour shifts with 24 hours at a time off as well.

Flagg and the other dispatcher handle all incoming emergency calls, route them to the proper person and generally act like an "information desk" for anyone needing information.

Both firefighting and ambulance services are dispatched from Fire Station One.

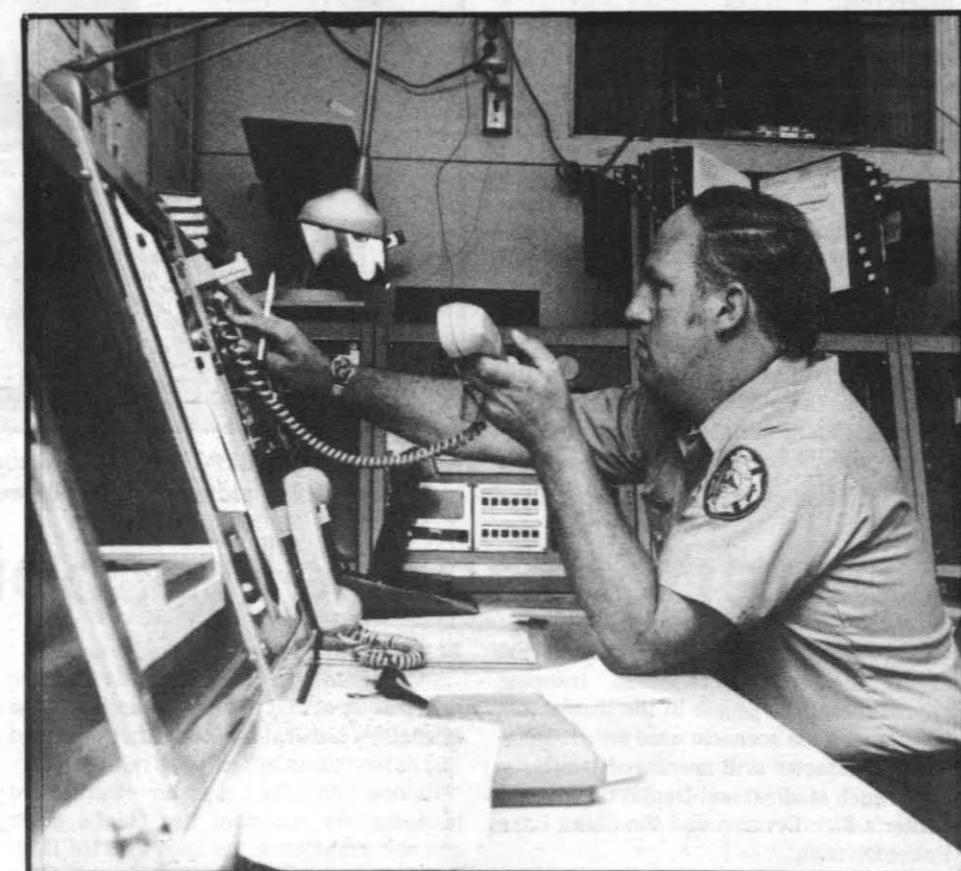
"I like the people," stressed Flagg. "I hope we provide a service to people who need it," he added.

The biggest challenge he faces as a dispatcher is taking care of people who call with an emergency. Calming them down so they can get help quickly is also one of the most rewarding parts of the job.

In addition to a full schedule as dispatcher with China Lake Fire Division, Flagg has, for 17 years, worked in Ridgecrest for Hamel's Furniture on his days off.

Five times he has been elected president of the Desert Ceramics Club and he is a past president of the Jim Dandies Square Dance Club.

His wife, Peggy, works in the Security Division. She is a native of the Indian Wells Valley. He notes they met while square



QUICK RESPONSE — China Lake Fire Division dispatchers have to be ready to deal with emergencies at any time. Gary Flagg, one of two communications specialists in the division, grabs the emergency phone on the first ring. — Photo by PH2 Rick Moore

With warm weather definitely here, the heating systems in Center family housing are now being turned off for the summer.

Spraying for elm tree beetles is proceeding well. Those whose trees are scheduled to be sprayed will receive notices in advance of the spraying so that they can be sure that children and animals are inside during spraying, and that no clothes will be on clothes lines or yard furniture out where it could receive any of the spray.

Residents are also reminded that they are expected to keep their yards adequately mowed, cleaned up and watered. Inspections to ensure that this is occurring are

being carried out regularly.

Weather permitting, the front lawns of all Center housing units will be fertilized next week.

For maximum benefits and results, lawns should be mowed and watered lightly immediately after application of the fertilizer or as soon thereafter as possible.

On Monday, the Hill units, including SOQs, JOQs, SSQs and HD units will be sprayed, with the Site A Capehart housing to be done on Tuesday. The north and south old duplexes will be sprayed on Wednesday and Thursday, respectively, and the Site B Capehart housing will be fertilized on Friday.

Defense Property Disposal Office slates surplus property action

The Defense Property Disposal Office will hold public Local Auction 41-5376 on Friday, May 24, at 8:30 a.m. in Building 1073 (Warehouse 41). Members of the public are encouraged to bid.

Among the 250 items to be offered will be 4x4 pickup trucks, work benches, storage cabinets, filing cabinets, railroad rails, compressors and related equipment, electrical cable, conduit, chemicals, paints, oils, resins, a rider mower, aerifier, scooters, stepvans, dumpsters, electric typewriters, variacs, meters and electrical and electronic equipment.

The items will be on display beginning Monday from 7:30 a.m. until 3:30 p.m. weekdays. A complete list as well as sales terms can be seen at Warehouse 41.

Registration begins at 7:30 a.m. on the day of the sale. Bidders must be present

and registered to bid because mailed bids cannot be accepted.

The items purchased may be removed on the sale date provided full payment is made. Payment must be in cash or guaranteed instruments such as a cashier's check, certified check or traveler's check. Purchasers have until June 3 to pay for and remove items before storage charges are assessed.

Because the Defense Property Disposal Office is located within the interior security fence line, prospective bidders who do not have access to that area must stop at the main gate and obtain a pass before they can be admitted.

Further details can be obtained from Greg Berry at Warehouse 41. His telephone number is NWC ext. 2502 or 2538.

Heat being turned off, work on yard areas underway in housing

SAR...

(Continued from Page 1)

tion followed by a divers' seminar by Bakersfield's SAR team.

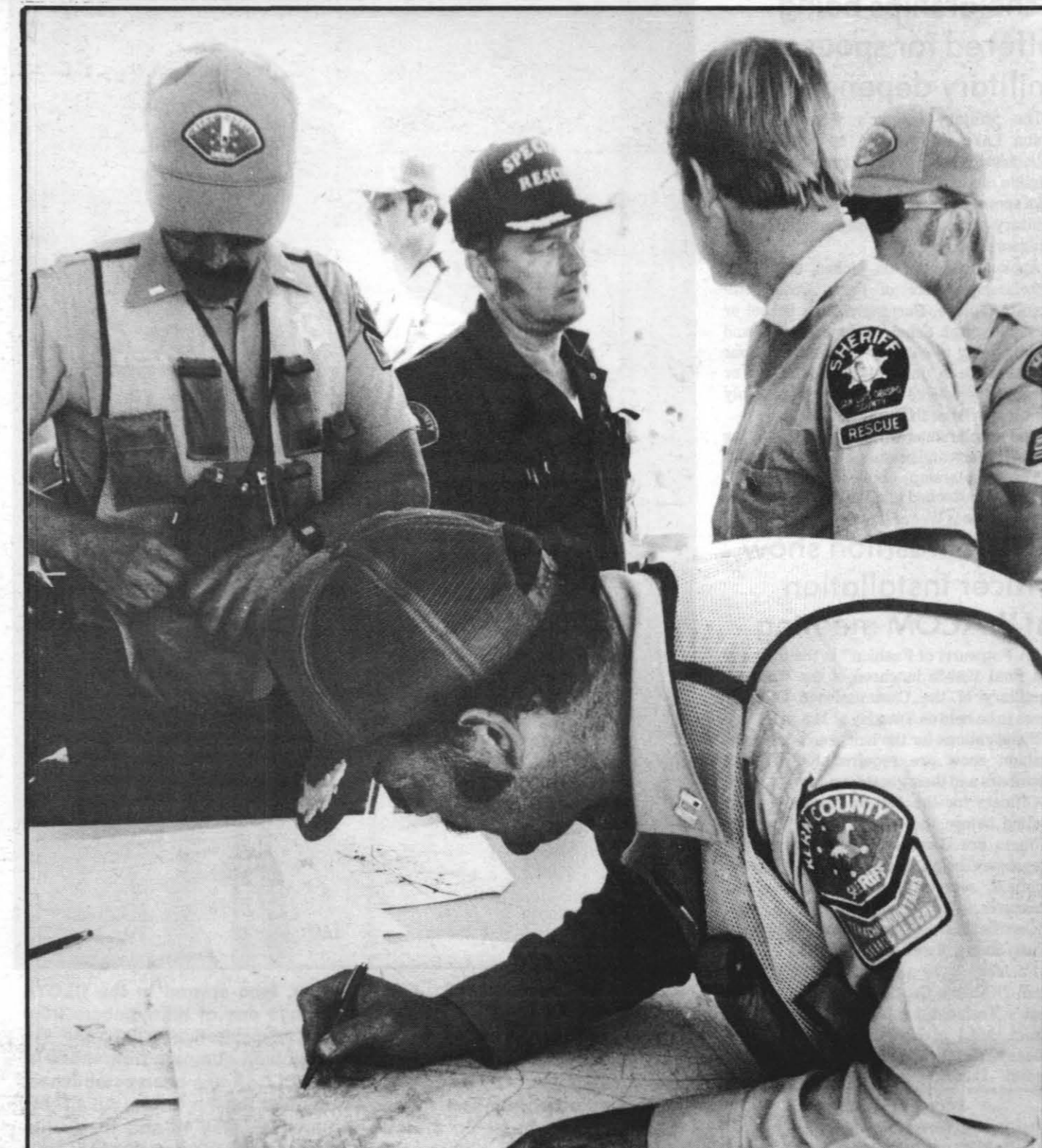
Lt. Sparks praised the job done by the mountain rescue group in hosting and organizing the seminar. He also noted the IWV SAR team gave an excellent mine rescue demonstration.

The seminar attracted about 112 persons representing nine different SAR groups. In addition to the area groups, San Luis Obispo County, Taft, Kernville, Frazier Park, Bakersfield, the SAR Divers and the Sheriff's Aero Squadron took part.

The SAR coordinator also noted the Aero Squadron located the plane within five minutes of being airborne. Of the six planes taking part, none took more than 25 minutes to find the wreckage.

In this instance the wreckage consisted of butcher paper painted red and white to simulate an aircraft with an emergency beacon placed by CLMRG volunteers the night before the seminar. The actual crash site was roughly three miles west of the Short Canyon base camp.

Another seminar next winter is in the plans, but Lt. Sparks noted winter seminars are sometimes harder to pull off than in the spring. The Sheriff's Office tries for at least one seminar like this a year as a chance for all the teams work together and share their skills.



Photos by Steve Boster PH2 Rick Moore



MAP MAKING — Phelps TerHeun (left) and Janet Westbrook of the China Lake Mountain Rescue Group work on preparing a map to be used when SAR teams call in bearings on the emergency of the lost aircraft during a SAR Seminar sponsored by Kern Sheriff's Office and hosted by CLMRG.



SEARCH EFFORT — Kern County Sheriff's Office Search and Rescue Seminar brought out not only IWV SAR groups, but teams from the Tehachapi area and as far away as San Luis Obispo County. A Tehachapi Mountains' SAR Captain checks a map for the probable location of the simulated missing aircraft.

NWC Rocketeer

Captain K. A. Dickerson
NWC Commander

B. W. Hays
Technical Director

Denny Kline
Public Affairs Officer

Mickey Strang
Editor

Steve Boster
Associate Editor

PH2 Rick Moore
PHAN Greg Hogan
Staff Photographers

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

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

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



Sports

Mother, daughter team take women's golf tourney win

Shooting a gross score of 77, a mother and daughter team from Apple Valley won the China Lake Women's Golf Club Invitational Tournament on May 1. The duo of Byers and Byers took honors in the partners best-ball handicap tourney. A total of 52 teams entered.

Low net for the field went to Sievert and Barbara Smith with a round of 69 and Mrs. Olio won closest to the pin competition on the eighth hole.

Mary Ann Castor and Joseph carded a gross of 80 for top spot in the hostess flight.

Low net honors for the flight went to Rita Pirozek and Vicki Slywka. Jane Nechero and Dixie Lloyd fired a 87 gross round for second while Sue Bates and Marge Edwards were second in the net standings.

Flight honors went to the team of Klinger and Yakstich for low gross and Kay Britton and Pauline VanDyke for low net.

Parkins and Nielson took low net in the second flight while low gross went to Villalba and Nichols. The third flight found Killian and Steere with low gross honors and Brown and Reed taking low net.

Mini-triathlon entrants tune up with swimming

Youngsters tuned up for next week's Youth Mini Triathlon at NWC with some endurance swimming last month.

The May 18 Mini-Triathlon sponsored by NWC Recreational Services and the Ridgecrest Recreation Department will include a one-mile run, 125-yard swim and a three-mile bike race.

In a recent conditioning swim event, about 15 youths took part at Pinney Pool.

Winning the 6-10 year old class was Dwight Mason with a 2:13.46 time in the 125-yard event. Michael Barnes was second

and Chucky Roulano finished third.

In the 11-12 year old class Karen Bornfleth was first with a time of 1:42 and Christy Jenson took second in 2:38.40. Eric Dinger was third in 2:59.31.

John Wilson's 1:31.14 took top honors in the 13-14 age group while Geoff Dinger was next at 1:56.60.

Bryan Fawkes was the only 15-17 entrant and he had a 1:25.4 time in the event.

Eleven of the swimmers completed 20 laps as they continued after passing the 125-yard milestone.



SAFE! — Sliding into a cloud of dust and home plate, a Pirate player scores what was the go-ahead run in Minor Division play in China Lake Little League. — Photo by Steve Boster

Anglers find small crowds

Anglers fishing the Eastern Sierra last weekend didn't have to battle the crowds of opening weekend and found fishing productive in most waters north of Lone Pine.

Gull Lake in the June Lake Loop produced the biggest fish, a nine and a half pounder and a six and a half pounder, both caught from shore.

Lake Sabrina is now ice free and anglers are pulling in numerous limits of one to three-pound Rainbow trout.

Convict Lake anglers said fishing was good with limits of rainbow being taken on nightcrawlers, cheese and other baits.

Upper Twin Lake at Bridgeport and Silver Lake in the June Lake Loop were good spots for limits of smallish rainbow trout plants.

South of Bishop the fishing slowed down. Despite regular plants on all streams on the east slope, few anglers were catching' limits.

More skilled anglers were going after wild brown trout in the creeks emptying into the Owens River.

Anglers who like to hit the Kern River should have some very good fishing because the river is being heavily stocked at this time.

In Kennedy Meadows the river is high but is still being planted regularly with catchable trout. Roads are now open to get into the region where the Kern River meanders through.

Lots of bullhead and catfish are being caught at Lake Isabella. Worms are the ideal bait for bullheads, and clams, anchovies, and mackerel will catch the other types of catfish.

The crappie are now starting to come in to catching range. The biggest catches of crappie are being made from boats, but they are also being taken from steep and rocky banks. Both the yellow and the white crappie jigs are equally effective.



LITTLE LEAGUE — Cubs and Pirates squared off Monday night in Minor Division play for China Lake Little League. Jeremy Farris takes a swipe at a pitch for the Cubs. This was the second full week of Little League action for China Lake and Inyokern athletes on local ballfields. — Photo by Steve Boster

Scorpions capture forfeit victory

Following a forfeit victory last week, the Scorpions under-19 soccer club will close out regular season play tomorrow by hosting the Rialto Blast at 3 p.m. on the Murray Junior High School soccer field.

With the easy win on Saturday, the Scorpions under-19 soccer club will close out regular season play tomorrow by hosting the Rialto Blast at 3 p.m. on the Murray Junior High School soccer field.

Eight top teams will advance to the league playoffs set for May 18-19.

The Scorpions, Redlands, Palm Desert's Kickers and Corona's Dragons are all in the running for a third place finish going into this final regular season contest.

Annual summer soccer camp scheduled

Karl Kauffman and John Piri will conduct a summer soccer camp again this year under the sponsorship of NWC's Recreational Services Department starting June 24, at Davidove Field aboard NWC.

Camp sessions are set for evenings, 5:30 to 8:30, Monday June 24 through Friday, June 28. There is a \$25 fee which includes instruction, camp photo, soccer ball and an official t-shirt.

Soccer camp is for youngsters in fifth through seventh grades and participants must be enrolled in one of the appropriate grades for the 1985-86 school year.

For additional information call the Center's Information, Ticket and Tour Office at NWC ext. 2010.



The Skipper Sez...

QUESTION

Enlisted Military — I'm calling in regards to the people who are in base housing. I've been in base housing for the last 3 years. I'd like to know, what is happening to privacy? Every time someone has to do routine maintenance or repair on the air conditioning or heating systems, they never knock or give any warning. They just appear in the back yard. I believe that they should let the resident know when someone's at home because they could be coming up on a trigger-happy occupant. I'm not asking for much — just a knock on the door so the occupants know what's going on without feeling they're being vandalized. I may start calling the police to investigate the "prowlers" rather than doing it myself. Thank you, Captain.

ANSWER

Tenants requesting routine maintenance work inside their unit must give "permission to enter" before a repairman will enter to perform the work. This is not the case if the maintenance to be done is of an emergency nature and could cause a safety or health hazard to the occupants.

Preventive Maintenance Inspections are performed by the contractor on an on-going basis throughout the housing area. I agree with you that it would be a courtesy if the contractors did make an attempt to inform the occupant that they would be working in their yard or on their unit. The contractors have been directed to advise tenants each time they enter the premises, by knocking on the door, to perform maintenance work.

QUESTION

Civilian — Coming into base in the morning, we notice this beautiful NWC flag and the beautiful sign and then we look over to the left to the guard shack and we see paint coming off the shack and a bad match of colors and the wood is all dried out. Do you suppose something could be done about making that pretty like the rest of the entrance? Thanks.

ANSWER

Renovation of the guard post at the main gate has been planned for some time. Interior and exterior work, including a new mansard roof, is included.

This project has been bid once, but the original bids exceeded the government estimate by a wide margin. This project has been combined with several others to be bid as a package, and is presently out for re-bid. Contract award is scheduled for June 1985.

All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. K. A. Dickerson. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.

China Lake Post set

Society of American Military Engineers meets

Joining the ranks of professional associations at China Lake is the new China Lake Post of the Society of American Military Engineers (SAME).

On March 28, the post, first in the high desert area, received its official charter from Commodore-select B. F. Montoya, CEC, who is regional vice president of SAME. Officers have been selected, and a membership drive is underway.

SAME provides the vehicle for government and private engineers, architects and planners to meet and discuss the significant issues that impact construction and facilities management. It forms a vital link between military and civilian engineers in its work to train and prepare for the development of resources and facilities in the national economy.

Membership in SAME is open to anyone interested in promoting military engineering. Architectural or engineering firms can become supporting members.

SAME now has over 27,000 individual members and more than 1,600 corporate members. More than 5,000 officers of the Armed Forces belong, as do over 21,000 civilians and more than 1,000 engineering students.

Local officers are Capt. H. H. Harrell, president; Richard Malone, vice president; LCDr. James Bullock, secretary; Jerald Polley, treasurer; and Sam J. Miller, assistant secretary/treasurer. Serving on the board of directors are William C. Bonner, Ens. Steven M. Wirsching, Jack Strayer, and James A. Tooker.

Anyone interested in learning more about the organization or in joining should telephone Cdr. Bullock at Code 262, at 3411, ext. 449.



CHARTER PRESENTED — Capt. H. H. Harrell, first president of the China Lake Post of the Society of American Military Engineers, receives the charter for the new organization from Commodore-select B. F. Montoya, regional vice president of SAME.



APPRECIATION EXPRESSED — Capt. K. A. Dickerson, NWC Commander, hands Wayne Claunch the letter of commendation accompanying the Commander's Award for Mission Support that has just been given Claunch. — Photo by PH2 Rick Moore

Claunch gets Commander's Award for Tomahawk test coordination

"I'm very pleased to give you the highest award that I can authorize," Capt. K. A. Dickerson, NWC Commander, told Wayne Claunch as he presented Claunch the Commander's Award for Mission Support in a ceremony held at the Range Control Center May 2.

"The planning and coordination for the Tomahawk C-1 flight test for which you were responsible called for the greatest effort possible."

The Skipper noted that adding to the difficulties of preparing for the test were the heaviest snowfall on record covered the Center's north ranges, and that requirements on the test were changed by both the Cruise Missile Program Office and OPTEVFOR.

In addition, the test had unprecedented scoring demands, and the terminal scoring area was in rugged, remote terrain.

The letter of commendation that Claunch was presented along with the engraved pyramid paperweight and stipend comprising the award noted that "Your personal involvement, professionalism, dedication and perseverance were prime factors in making the test completely successful."

Claunch said that he felt honored to be selected to receive the award, but he felt that the outstanding success of the China Lake part of the C-1 test flight was almost totally due to the exceptional support provided by the people in both the Public Works and Range Departments.

He added that working with that particular program seemed a never ending process. "The program will be around for a good many years," Claunch noted, "and it will probably be around longer than I because I expect it to last past the turn of the century."

Claunch, who is now in the Air Projects Office on the Test and Evaluation Directorate staff, is a graduate of Oklahoma State University with a degree in electrical and electronics engineering. He has been a China Laker since May 21, 1968.

TV watchers, radio listeners gain from IWV TV booster grp.

All television watchers in the Indian Wells Valley benefit from the unpaid efforts of the IWC TV Booster volunteers, and so do listeners to FM radio.

This not-for-profit corporation maintains and upgrades the booster facilities at Laurel Mountain through which television from the Los Angeles area and Bakersfield is rebroadcast to make it available locally. Those who do not have cable have their choice of either the seven VHF band (channels 2-13) or the 12 UHF band channels (channels 47-69).

In addition, a number of the FM radio stations from the Los Angeles area are rebroadcast in the IWV through the TV booster to ensure that all kinds of music and programming are available for local listeners.

The booster is supported entirely by voluntary donations from local residents. All of the booster maintenance is performed by volunteers, and elected directors assume the day-to-day responsibility of operating the booster.

Donations to the IWV TV Booster, Inc., are tax-deductible. They can be mailed to IWV TV Booster, P.O. Box 562, Ridgecrest CA 93555.



DATA GATHERING — Captain Frank Holley of the China Lake Fire Division checks "injuries" of one of the volunteer victims in last week's rescue drill. — Photo by PH2 Rick Moore

China Lake Police reports

Unknown persons committed grand theft when they removed six aluminum racks from a truck parked in the southeast parking lot of building 01340. The racks cost more than \$2,000.

Two bikes were reported stolen on May 2. One, valued at \$100, was taken from the front of the gym, and the other, whose value is \$153, was taken from the front yard of a residence in the Site B Capehart housing.

Routine traffic stops resulted in three drivers being cited during the week. One was found to be unlicensed, one was driving with either a revoked or suspended license, and the third was found to be under the influence. The first two were cited into East Kern Municipal Court; the third was arrested, held for five hours, and then given a traffic citation.

A neighbor brought a 15 year old girl to China Lake police because the girl was the victim of child abuse. Police took her to Ridgecrest Community Hospital for treatment of her injuries before taking the girl and a 14 year old boy in the home to Bakersfield for protective custody. Further action is pending.

A neighbor phoned China Lake police to report an open door in a residence. Police responded, and conducted an interior check. While conducting this check they saw a handgun lying in plain sight that had "Property of US Government" stamped on it; a check showed that this weapon had

been stolen from Florida. Police confiscated several other weapons for safekeeping and further investigation.

China Lake police received information from Ridgecrest police about a stolen handgun, questioned a military suspect, who confessed. The firearm was recovered in a Ridgecrest residence.

During a routine traffic stop on Monday, police discovered that the driver of the car was unlicensed. The driver was cited into court and released.

An individual on the "barred from NWC" list was found in the BEQ area Monday, was apprehended, and issued a citation to appear before the magistrate in court held at Edwards Air Force Base.

Unknown persons scratched a victim's car, causing \$300 damage.

On Tuesday unknown persons removed a package containing a diamond and pearl ring from the shipping receiving docks. The missing ring is valued at \$129, making this a petty theft.

Last Friday a 16-year-old student at Murray Junior High was found to be in possession of a small baggie of marijuana and a smoking pipe. The student was released into parental custody.

Last Friday a resident in Center housing reported that unknown persons had entered the garage of the residence, had sprayed paint on the walls and had removed a barbell.

Disaster drill...

(Continued from Page 1)

Those who were presumably the most seriously injured were dispatched to the Ridgecrest Community Hospital (which, for the purpose of this drill was actually Fire Station 1 since the drill was strictly for NWC personnel).

Those whose injuries were presumably less serious were transported to the Branch Clinic for treatment.

Here the drill used not only the military personnel in the Branch Medical Clinic, but also the staff of the Dental Clinic. In addition, civilian employees were pressed into service to help in treating the "wounded."

The main objective for the Branch Clinic, according to Cdr. John Auld, Officer-in-Charge, was to integrate all the personnel in the clinic in the disaster operation.

The drill also helped the clinic to deter-

mine the amount of equipment and supplies that would be needed in a disaster, to help plan and establish traffic flow for treating patients, and to examine needed paperwork so that all patients could be accounted for.

Since the drill took place during the lunch hour, another note of realism was added by the crowded parking lot at Bennington Plaza, and the large crowd of onlookers. (A number of those in the area did not realize that the operation was a drill and volunteered to assist Fire Division personnel in any way that they could. Their help was turned down, with thanks.)

Both Fire Division and Branch Clinic personnel rated the exercise as very useful. Disaster drills for the Branch Clinic are held twice a year in conjunction with other Center organizations.



JOINT OPERATION — Firefighter George Gorgensen from the China Lake Fire Division; Sharon Smith, a civilian employee of the Branch Medical Clinic; and Cdr. James Blake, a dental officer at the Branch Dental Clinic, talk with a "victim" to determine the extent of her injuries. — Photo by PH2 Rick Moore

Cerro Coso College registration for summer classes scheduled

Registration for courses offered by Cerro Coso Community College during the summer 1985 semester will be held May 14 for continuing students, and June 3, 4, 5 and 6 for both new and continuing students.

Students may register from 9 a.m. to 1 p.m. and 2:30 to 6:30 p.m. in the Office of Admissions and Records on May 14 and June 3, 4, 5, and 6.

The many courses offered by Cerro Coso Community College during the summer semester have variable starting dates. For more information on the courses being offered and the dates, refer to the Cerro Coso summer schedule of classes.

Week to honor those of Asian-Pacific heritage set May 4-11

This week, the week of May 4 through 11, has been proclaimed Asian-Pacific American Heritage Week to honor the contributions of this group in American society.

The observance was established by Public Law in 1978 to honor the rich traditions of the ancestral homelands of Americans in this group — homelands as diverse as China, Japan, Korea, Guam, the Philippines, Hawaii, Samoa, and the Southeast Asian nations.

The many contributions made by the 110 members of Center personnel belonging to this group indicate that they are indeed living up to the theme of the week: "Fulfilling America's Promise."

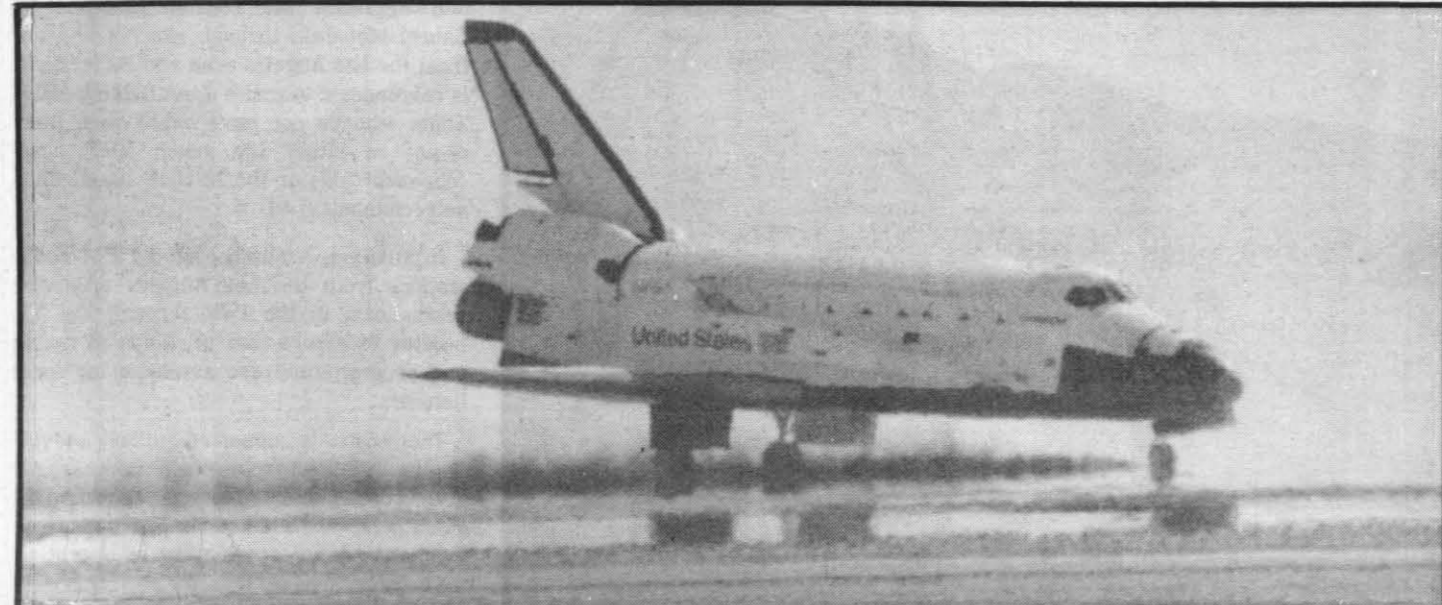
Center library closes for 2 weeks for painting

The Center library will be closed from Monday, May 13, through Monday, May 27, for painting.

Those who wish to return books can do so by dropping them through the drop box, but no one will be able to check any books out until the library reopens.

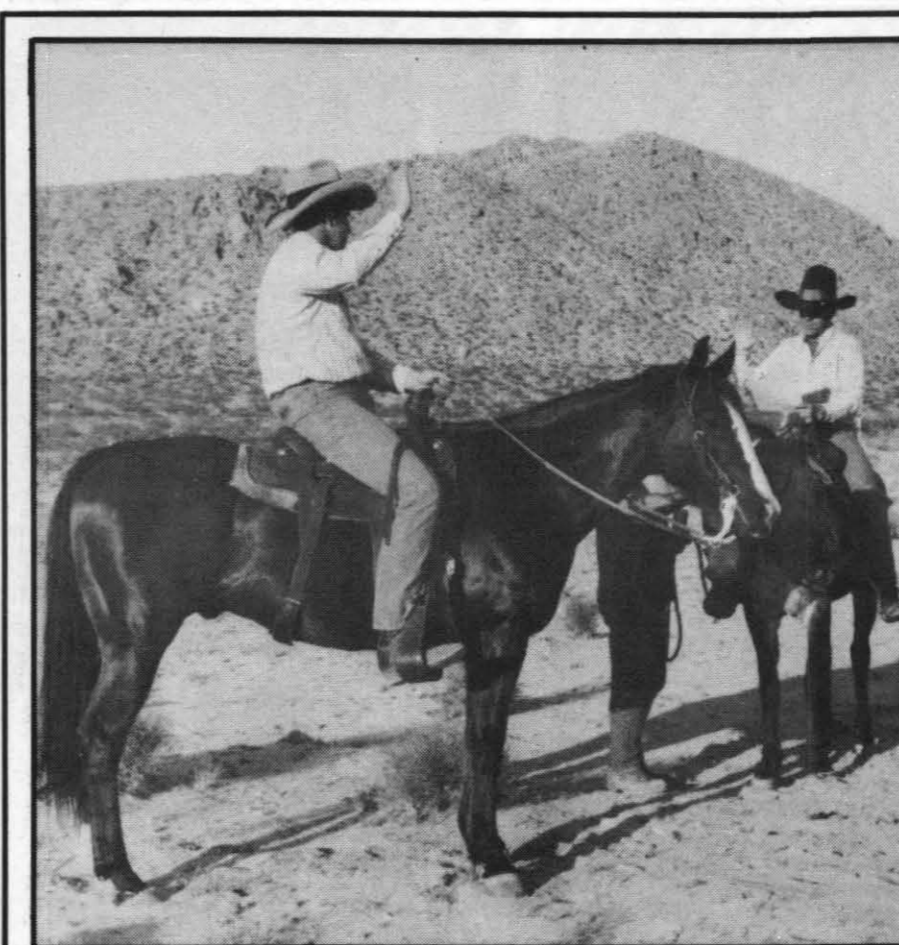
The library staff will be on hand during the day to answer telephoned questions.

The staff regrets any inconvenience that this may cause library patrons.



RETURN TO EARTH — The Space Shuttle Challenger scorches to a fast and dusty, although safe, landing at Edwards Air Force Base on Monday morning. A crowd well in excess of 14,000 started to gather 24 hours in

advance of the landing to be sure to get a good view. The Center's Search and Rescue helicopter was one of several military helicopters standing by in case of emergencies. — Photo by PH2 Rick Moore



FOUR MORE YEARS — AD1 Tom Ring (left) takes the re-enlistment oath from Lt. Cleary. AD1 Ring enlisted the first time in civilian clothes and this fourth time he took out from off-duty rodeo activities to go another four.



Blue Cross starts processing

On April 1, Blue Cross and Blue Shield of South Carolina began processing claims for emergency care provided by civilian medical and dental treatment facilities in the U.S., Puerto Rico and the U.S. Virgin Islands. This processing system applies only to emergency care provided to active duty service members. All such claims should be submitted to: Active Duty Contract, Blue Cross Shield of South Carolina, P.O. Box 6120, Columbia, SC 29260.

Claims for routine, preauthorized, non-emergency medical and dental care should be submitted to the appropriate Office of Medical Affairs (OMA) in accordance with NAVMEDCOMINST 6320.1A.

Navy Relief prepares race up 'B' Mountain

Runners, joggers, hikers and mountain bikers will take part in a Navy Relief Society run up NWC's "B" Mountain on Saturday, May 18 starting at 8 a.m. Bikers will start two minutes before runners.

The run is roughly 2.5 miles with an elevation gain of 1,000 feet. The race is up the road; participants using trails on "B" Mountain will be disqualified for awards purposes.

To enter, participants need to make a minimum donation of \$3 to the Navy Relief Society. Entry deadline has been set for May 16 to allow time to clear all runners through NWC security for admittance to the Center's restricted area that includes "B" Mountain. No race-day entries will be accepted.

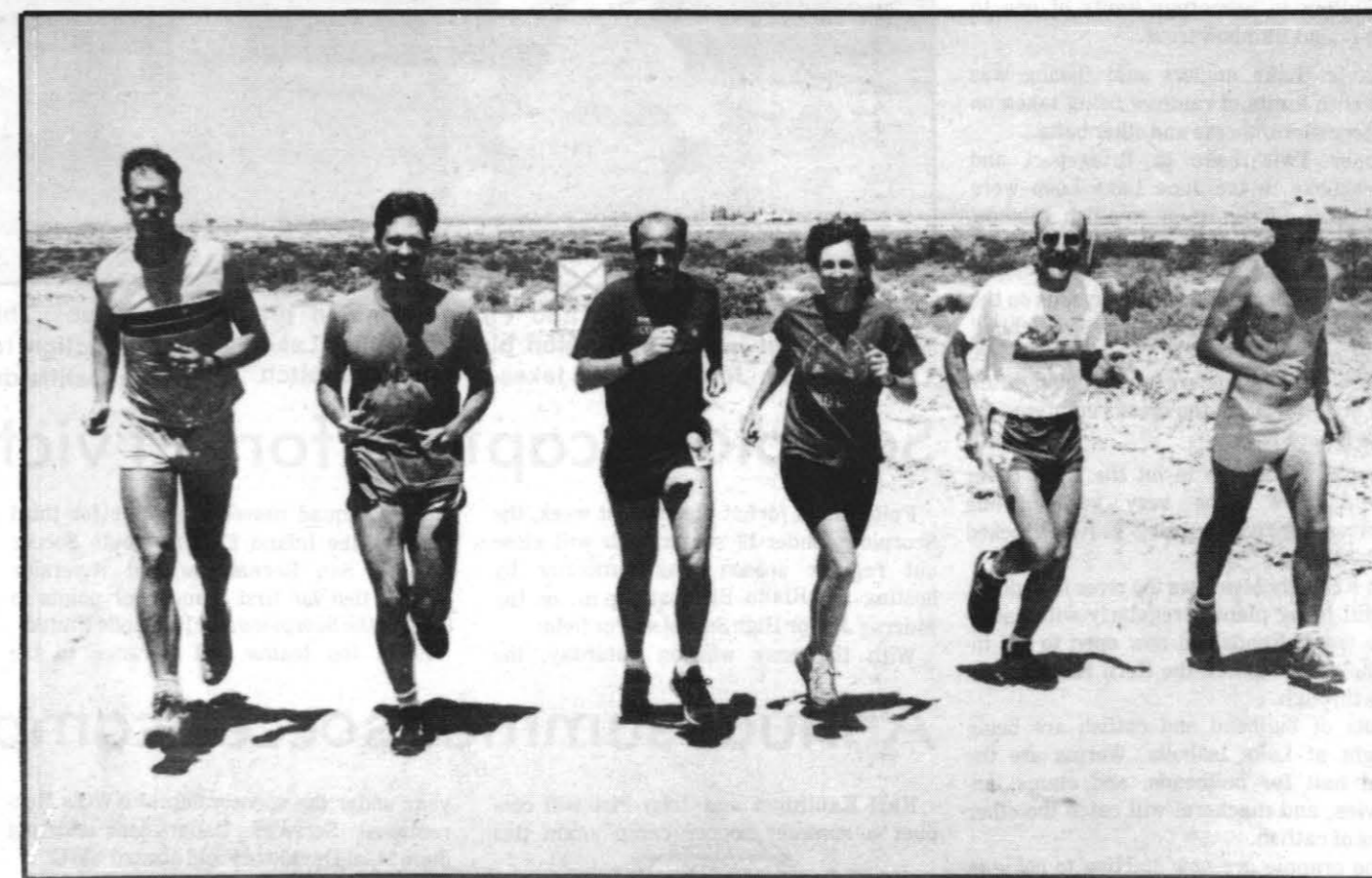
Awards go to the first three male runners and first three female runners along with the top two mountain bicyclists.

Sign up sheets can be obtained from LCDr. Richard Bruce or Lt. Brice Hammerstein if entrants want to seek sponsorships based on their total time for ascent.

All race proceeds go to the Navy Relief Society, a non-profit organization enabling Navy members to assist their own in time of emergency need.

For more information call LCDr. Bruce at NWC ext. 5608 or Lt. Hammerstein at NWC ext. 3830 or 2755.

The "B" Mountain bash is one of several fund raising events planned during the annual Navy Relief Society fund drive that began on May 8.



PRACTICING — Getting in shape for the Navy Relief Society benefit mountain run-and-bike-a-thon on May 17 are ET3 Larry Hill, Dr. Joe Forrester, Lt. Brice Hammerstein, Mary Ann Gallagher (who will ride a

mountain bike), Dave Rugg and Tom Marshall. Runners and bikers are asking for sponsorship from friends, relatives and co-workers. Runners and bikers must pre-register. — Photo by Mickey Strang

NRS drive...

(Continued from Page 1)

or checks will be accepted from both civilians and military; military may also file a payroll allotment to NRS.

The Navy Relief Society fills a vital role in its help to active duty Navy and Marine Corps personnel, retired Navy and Marine Corps personnel and the dependents of both.

Last year the local office of the NRS made loans or grants in excess of \$37,000 to local military and dependents who needed emergency funds for a variety of reasons. All loans are interest-free and without collateral.

Such loans help with travel expenses on emergency leave, pay for essential medical and dental care that CHAMPUS does not

cover, help with unexpected car repairs if the car is essential for transportation, and help with essential living costs if a Navy check is lost or late.

Navy Relief Society loans or grants are also available to cover funeral expenses for family members, to help with student loans for military dependents and to provide tuition assistance for military.

All money donated to NRS goes directly into service to its clients because overhead costs are covered by funds invested many years ago.

The local fund drive will continue until June 6. Chairing this year's drive locally are LCDr. Bruce and Lt. Brice Hammerstein.

San Diego-based NRDC now offers assistance to chronically obese

A seven-week in-patient program for chronically obese career Navy people is offered now by the Navy Drug Rehabilitation Center (NDRC), San Diego.

Entrance requirements include being an E5 or above; career designated with potential for continued effective service; 20 per-

cent over weight standards; and being highly motivated for inpatient treatment.

To request quotas, commands must submit the member's name, rank or rate, social security number, branch of service and comments on motivation, potential and history relevant to the case to NRDC.

New regulation change restricts filling of some prescriptions

A recent change in the Manual of the Medical Department restricts the filling of prescriptions written by civilian practitioners (physicians, dentists, podiatrists, etc.), other than those employed by the Navy, unless the medical activity has a pharmacist assigned. Furthermore, Navy Medical Department personnel are restricted from simply countersigning or

rewriting prescriptions originating from these civilian practitioners.

Commencing May 20, 1985 and continuing until such time as the Branch Medical Clinic has a registered pharmacist on its staff, the above policy will be enforced.

Questions regarding this change in policy will be answered by calling the Branch Medical Clinic, 2911 ext. 239 or 225.

AF Day celebrated at speedway

Pearsonville Speedway will celebrate Armed Forces Day with a night of racing on May 18. Speedway officials are inviting military personnel to attend and said anyone showing a military identification can get two tickets for the price of one for racing that night.

Gates open at 7 p.m. with the first of nine races slated for 8 p.m.

Six heat races will be followed by three main events at the Speedway located in Pearsonville, about 20 miles north of NWC, just east of Highways 14 and 395.

Lauritsen Lab started new trends for NWC

The dedication of the Lauritsen Laboratory in June 1976 represents the trends established in the 1970s that continue today at NWC.

The laboratory is named for Dr. Charles C. Lauritsen of the California Institute of Technology, who was instrumental in the establishment of the Navy's desert research and development base. Attending the dedication also was Rear Admiral Sherman E. Burroughs, Jr., who was the first Commanding Officer of NOTS, and Vice Admiral P. D. Strop, who was NOTS Commander in 1952 and 1953; both of these military men helped create and hone the military-civilian partnership that has been so vital in China Lake's success.

The laboratory houses many of the Center's scientists who are working in laser and optical component technology research, a field not dreamed of when Dr. Lauritsen helped locate the spot of bare desert on which the Navy's largest RDT&E facility has grown.

The new laboratory also represents a modernization of facilities on board. Project 21, begun in the 1970s, dealt with the modernization of the Center's test ranges;

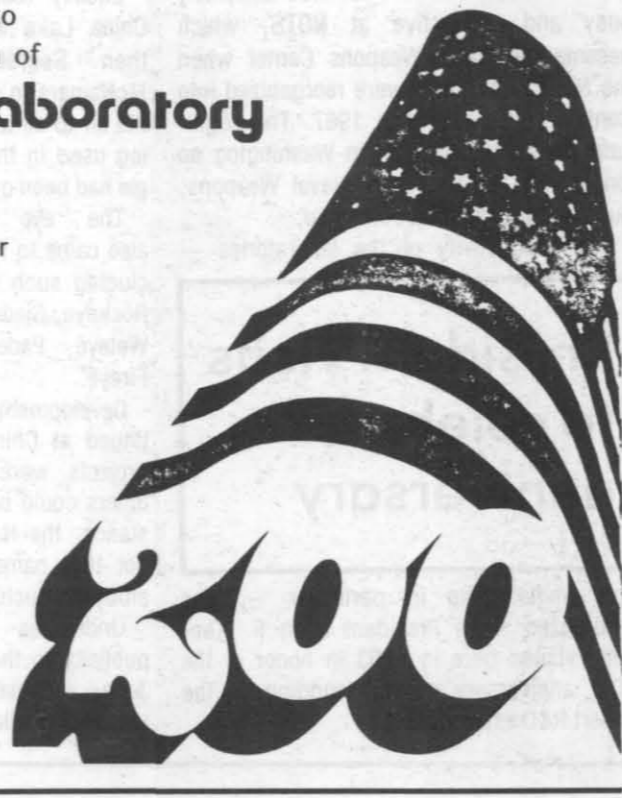
despite all the new scientific and engineering developments, the heart and essence of China Lake has remained its personnel.

The Rocketeer, during its first 40 years, has tried to serve the needs of these personnel by informing them of what's happening on board, what is new and interesting in work or facilities or organizations, and essential information concerning the business of NOTS and NWC.

The readers of the Rocketeer have continued to provide information, comments and criticisms that have been helpful to the paper's staff. That it has existed for 40 years is thanks to these readers--and the staff hopes that in the decades to come the partnership will continue.

The Commander and the Technical Director Naval Weapons Center China Lake, California cordially invite you to attend the dedication of **lauritsen laboratory**

June 18, 1976 at the Naval Weapons Center



nwc rocketeer

Naval Weapons Center China Lake California

June 25, 1976 Vol. XXXI, No. 24

INSIDE	2
VX-5 Sailors of Month Chosen	3
Lauritsen Laboratory Dedication	3
Bjorklund Award Presented	5
Special Sales Events Planned	5
Sports	5
Gala July 4th Celebration Set	8

Project 21 followed by Project 2000

its success was such that it has been followed by Project 2000, to modernize with buildings and facilities throughout the Center.

Some new facilities have had to be constructed to house the personnel who moved to China Lake from El Centro when the National Parachute Test Range mission was relocated to NWC. Beginning as the Parachute Systems Department, it has now been renamed the Aerosystems Department to better reflect the range of its activities.

A major new arena of work began during the decade of the 1970s with the increased demand for aircraft weapons integration and targeting avionics. The background that China Lake had made it the ideal location for, initially, the Software Support Activity for the A-7E aircraft, and currently, the Weapons Systems Software Support Activity for the A-4M, A-6, A-7E, AV-8B, and F/A-18 aircraft.

The growth of computer technology also made possible interactive wargaming,

Computers move into all fields

which was established in the Weapons and Tactics Analysis Center in 1979.

The burgeoning of computers into every arena of scientific, engineering, and administrative functions continues and is recognized by the formation of the Information Systems Group in the decade of the '80s.

Still, despite all the new facilities and

Vander Houwen is new senior chief at NWC

Senior Chief Fire Control Technician Dave Vander Houwen has succeeded Senior Chief Aviation Structural Mechanic Walter D. Hall as the Naval Weapons Center's Senior Chief Petty Officer of the Command. AMCS Hall, who was the Center's first Senior Chief Petty Officer of the Command, will depart China Lake next Wednesday and report for duty with Attack Squadron 113 at Naval Air Station Lemoore, Calif., on Aug. 6.

A 14-year Navy veteran, FTCS Vander Houwen will be in direct personal contact with Rear Admiral R. G. Freeman III, NWC Commander, whom he will advise and assist in matters pertinent to the welfare and morale of enlisted personnel assigned to duty at China Lake, and their dependents.

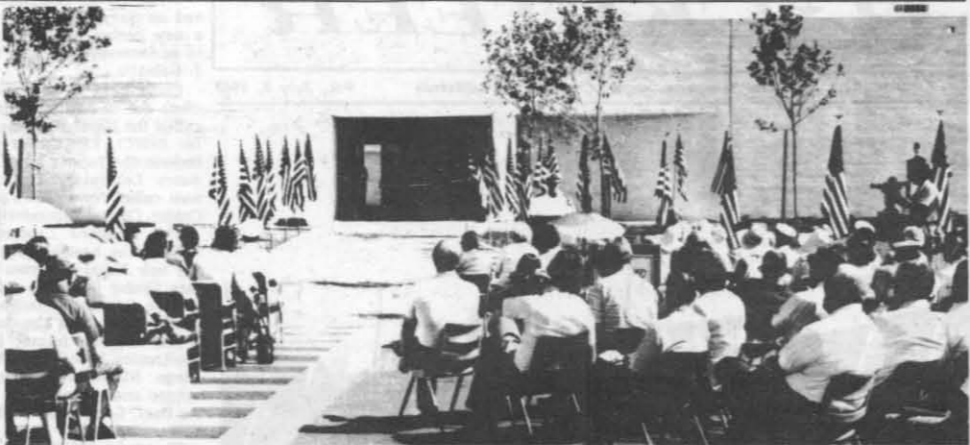
The Yakima, Wash., native has been at China Lake for the past 2 1/2 years, doing test and evaluation with Code 3007 on the Target Acquisition System (TAS) of the Improved Point Defense Surface Missile System (IPDSMS), a fast-reaction, digital-controlled surface missile system.

Former high-ranking NWC officials return for lab dedication

A number of distinguished guests and friends of the Naval Weapons Center were among the audience of some 300 persons assembled last Friday for the dedication of Lauritsen Laboratory.

In addition to Mrs. Charles C. Lauritsen, widow of the honoree, and her grandson, Eric Lauritsen, the special guest list included: Rear Admiral Sherman E. Burroughs, USN (Ret.), the first Commander of the Naval Ordnance Test Station; Vice Admiral P. D. Strop, USN (Ret.), NOTS Commander, 1950-53; Rear Admiral Henry Suerstedt, USN (Ret.), NWC Commander, 1972-73; Capt. John Hardy, USN (Ret.), Commander of NOTS, 1964-67; Capt. Thomas F. Pollock, USN (Ret.), the Navy's first test pilot for rockets and later head of Aviation Ordnance Development Unit 1 at NOTS.

Others were Mrs. Evaline Gibbs, who, for many years was secretary to Dr. Lauritsen and is now the administrative assistant to Dr. William Fowler, a former graduate student of Dr. Lauritsen's and the man who was in charge of the early CalTech rocket development program during World War II; Leroy Riggs, former NWC Technical



LAURITSEN LABORATORY DEDICATED — A crowd estimated at 300 persons turned out last Friday morning to attend the Lauritsen Laboratory dedication ceremony. Looming in the background is a portion of the \$3.6 million facility. Special features of the 54,000 sq. ft. laboratory include windowless laboratories to provide light-controlled conditions for laser work, two long, narrow raising tunnels with special wiring incorporating safety interlock controls, and a rooftop facility for outdoor tests.

Dr. Charles Lauritsen's distinguished career recalled during dedication of new laboratory

In a manner befitting both the occasion and high honor due the distinguished scientist, he recalled posthumously, the newest laboratory in the Navy was dedicated last Friday morning at the Naval Weapons Center.



Named the Lauritsen Laboratory in recognition of the exceptionally outstanding service of Dr. Charles C. Lauritsen to this nation, the Navy, and to the Naval Weapons Center during and after World War II, this latest addition to NWC's laboratory complex stands as visible evidence of the high esteem in which Dr. Lauritsen was held by his colleagues in the scientific and military community not only here and throughout the nation, but in some other parts of the free world as well.

Dr. Lauritsen's widow, Sigrid, and a grandson, Eric Lauritsen, were among the many guests who were assembled for the dedication ceremony during which the honoree's countless contributions in many fields of scientific endeavor were outlined by those privileged to speak on this occasion.



Interwoven among the remarks was the constant reference to the unique combination of vision and sense of personal commitment exemplified by the work of Dr. Lauritsen.



Rear Admiral R. G. Freeman III, NWC Commander, who later was joined by Mrs. Lauritsen for the ribbon cutting that marked the official opening of Lauritsen Laboratory, noted during his brief opening remarks that Dr. Lauritsen was a man his own colleagues were quick to describe as a guiding genius in the early days of the Naval Ordnance Test Station (forerunner to



N.O.T.S.

ROCKETEER



NWC ROCKETEER

40th ANNIVERSARY EDITION

MAY 10, 1985

Paper celebrates 40th anniversary this week

Forty years ago today, Volume 1, Number 1, of the Rocketeer was published by the Naval Ordnance Test Station, Inyokern.

The new publication was tiny in size — only 7 inches by 10 inches — but was typeset and had both halftones (photographs) and line drawings on its 18 pages. The

Rocketeer announced that it would be issued monthly as the official publication of NOTS, which then had Captain S. E. Burroughs, Jr., as Commanding Officer.

Ancestor of the Rocketeer was "The NOTS News," a multilithed weekly, of which only a few copies remain. (Anyone who may have a copy of this publication squirreled away is asked to please let the Rocketeer staff photocopy it for Rocketeer files and for the use of Center historians.)

The name "Rocketeer" was submitted by Commander Gordon N. Lantz, Supply Officer, who won a 25 dollar war bond for his suggestion. The "name the magazine" contest was judged by Cdr. J. O. Richmond, Executive Officer, and a committee.

Heading Rocketeer staff listings was Chaplain C. A. Reeves as Editor-in-Chief, with Ch. Photographer R. R. Wing as publisher, S1c Patricia F. Olcott as assistant editor, and Y1c Joe Brennan as sport editor.

The paper appeared monthly through August 10 of that year. Features in it included the cartoon strip "Male Call," drawn by Milton Caniff, creator of "Terry and the Pirates," and cartoons culled from Esquire magazine as well as those from government news services.

Distinguished visitors whose visits were covered included Vice Admiral Marc A. Mitscher, who was back from commanding the famous Task Force 58 that helped win the war in the Pacific.

From month to month, the completion of new facilities for the desert station was reported, with picture coverage of everything from the dispensary to the tailor shop. (Birth notices from the dispensary appeared regularly for years, since military and civilians both used its facilities. Several personnel on board today as civilian employees can probably find their birth announcements in old Rocketeers — and a few may even find coverage of the marriage of their parents, since marriage notices also appeared sporadically in those days.)

And, in the category of "things never change," the Rocketeer made impassioned pleas in each issue for everyone to drive with care and not to drive after drinking. The July 1945 issue of the paper even listed 17 personnel on NOTS casualty list because these had met death on the highways.

The first issue that could be recognized by today's readers as the Rocketeer was the issue of Monday, Aug. 27, whose front page is reprinted on this page. With this issue, the Rocketeer became a newspaper rather than a magazine, and began to appear semi-monthly. Only with the issue of Monday, February 18, 1946, did it become a weekly publication.

Front-paged on that February paper was a plea from the then assistant editor, AOM2c Don Carter, that anyone aware of news events occurring call the paper because "It is obvious that two people cannot gather all the news at NOTS." While staff size has varied throughout the past 40 years, the maximum staff size was editor, assistant editor, staff writer, sports columnist, and a contact person at the Pasadena facility of NOTS, along with photographers.

The average staff size for many years has been editor, associate editor, editorial assistant, and from one to five



N.O.T.S.

ROCKETEER



Vol. 1, No. 5

NAVAL ORDNANCE TEST STATION, INYOKERN, CALIFORNIA

MONDAY, 27 AUGUST, 1946

Tribute Paid to Navy by Civil Service

It is over this holoocaust of war that has been such a pall of uncertainty. Past are the experiences that have been full of hardships, sorrow and sacrifice. But out of it has emerged Victory!

The road to Victory has been fought with courage, with bravery, with lifeblood. It will leave a stamp of greatness upon every home and community. The way has not been easy. The way of the courageous and unselfish is never easy.

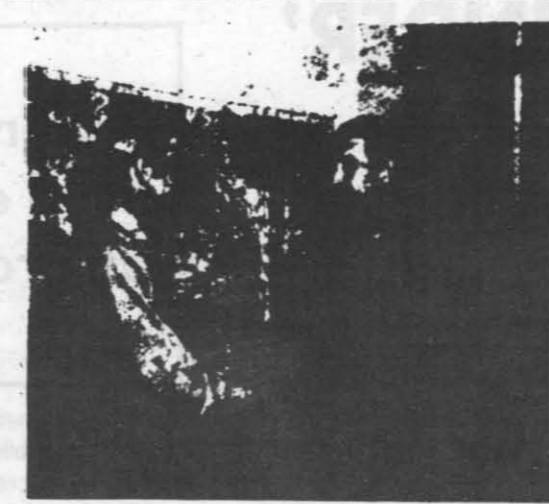
The civilians of NOTS pay tribute to our fellow workers of the navy. It is the navy that has made possible this station, giving us the opportunity to have helped in a direct way in winning the Victory.

The navy has opened the way to bring many of us to the wide open spaces. Many of us have felt the fascination of the desert and are grateful for the rich experience of living on the desert. Who of us has not thrilled at the exquisite desert sunrise, the majesty of the sunset? Who has not loved the deep desirability that clothes the high ranges when the last gold-rimmed peak has just its bright hue after twilight?

Who has not been awed by the splendor of the blizzard, the moon hanging full and radiant in the great sky space, or trembling on the peak of a high hill?

Some of us will make this station our permanent home. Others will return to the Midwest, the South, the East. But wherever we go, we'll never forget Indian Wells Valley.

We feel that we have gone a step forward, living here in the desert. We are glad for the opportunity to "rub elbows" to work with, and to be an auxiliary to that great branch of service, the United States Navy. It all sums up to saying, "Thank you, Navy." We salute you!



Captain S. E. Burroughs, USN, greets his successor as commanding officer of the Naval Ordnance Test Station, Captain James B. Sykes, USN.

MESSAGE FROM CAPTAIN BURROUGHS TO MEN AND WOMEN OF INYOKERN

I leave this station with many regrets. Since I may not be able to see each and every one of you before I go, I take this opportunity of expressing my deep appreciation for the fine spirit of cooperation and loyalty that you have demonstrated during the past 30 months together we have built and operated this great station, the importance of which to the national welfare has been in no wise lessened by recent developments.

Our mission as set forth by the Secretary of the Navy calls for the research, development, and test of new weapons. There can be no let up in this work if we are to insure continued peace throughout the world. A strong America, well equipped with new weapons as devised by men of science, can insure continued peace throughout the world.

To you all let me say "Well done." The best of luck and happy landings until we meet again.

S. E. BURROUGHS, JR. Captain, U.S. Navy

New Skipper Takes Over Capt. J. B. Sykes is CO

A veteran of 27 years of sea and shore commissioned service in the U. S. Navy, Captain James B. Sykes, new commanding officer of the Naval Ordnance Test Station, is well equipped to carry on the important work of Navy weapon development.

"The shooting may have stopped," says Captain Sykes, "but our job from now on is to develop further the weapons of this war and to prepare to make the United States unassailable rather than impregnable. Impregnable was Magdoo Line strategy, and we what happened to the Magdoo Line!

"Instead of doing or constructing we've got to increase. The closing doors of small dispersed ordnance plants all over the country will make our position even more important. Research and development will be keynotes N.O.T.S. rather than development."

Captain Sykes' naval career is distinguished. He has served on the sea, in the air, and on submarines. He knows ordnance and aeronautics, and his training and experience fit him particularly well to be commanding officer of this station.

After two years at the University of Rochester, the Captain entered the Naval Academy with the class of 1919 and was graduated in 1923. His first duty was on destroyers operating out of Queensboro. After World War I, he was junior officer and which officer on the U. S. S. New York, then flagship of the Atlantic fleet.

In 1921 he attended submarine school in preparation for submarine duty on the U. S. S. Canal Zone, where he commanded successfully the USS O-11, the O-18, and the O-21.

The Captain rose rapidly, finally as well as figuratively. In 1928 he went from submarine duty to flight training at Pensacola, Florida, and has been on active flight duty in pilot status ever since.

1929 found him on a brief tour of duty with the Bureau of Aeronautics, followed by a three-year post-graduate course in Aviation Ordnance. The next two years were spent as a ship's officer aboard the USS Serrano, and then as a ship's officer aboard the USS Serrano. In 1933 he returned to BuAer in the aviation ordnance section for three years' service.

Marine Is Given Honor Medal

Set Carl Padick, MP on guard duty at the gate, was presented the Bronze Star for heroic performance of duty during the invasion of two Jima by Captain J. G. Thuman, 11 August.

Thirty-five minutes after 8-hour on two, the marine sergeant was operating his tractor on the beach.

NAVAL PILOT DENTROY WASHINGTON (SEA) Navy and Marine fliers have accounted for more than 17,000 Japanese planes since Pearl Harbor, losing 2,700 of their own aircraft.

V-J Day Statement Of Navy Secretary

All hands of the United States navy, marine corps, and coast guard may take satisfaction in the conclusion of the war against Japan and pride in the part played by them in accomplishing that result.

(Continued on Page 7)

Sidewinder brings world-wide notice to NOTS

World-wide attention came to the Naval Ordnance Test Station in 1956 when the Department of Navy announced that a revolutionary new air-to-air missile was operational and was deployed in the fleet. The new missile made headlines in papers from the New York Times to the Los Angeles Times — and in Time Magazine to boot.

Only once in its 40 years of publication has the Rocketeer ever devoted an entire issue to only one topic: the October 19, 1956 issue, the Sidewinder issue.

And such an issue was entirely appropriate because nearly 30 years later the Sidewinder is still a prime weapon in the arsenal of the Free World.

The latest member of the Sidewinder family to be deployed in the fleet is AIM-9M, and work is underway on its eventual

successor in the Product Improvement Program.

More than 80,000 Sidewinders have been built in the United States. Allies of the United States have built more than 10,000, and continue to see these as prime elements in their defense forces.

The first Sidewinder combat use was by the Nationalist Chinese in 1958. Sidewinders were used extensively during the Southeast Asia conflict, and it was the Sidewinder missile that accounted for two Libyan jets in August 1981.

One of the Station's top successes for the decade of the 1950s did not make headlines, but is still seen as a prime example of how effective a Navy laboratory can be.

During the Korean conflict, an urgent

need for a weapon capable of penetrating heavy enemy armor was communicated to China Lake. A mere 29 days later, pilot

Ram had been developed, tested, documented and these rounds built on board and shipped out. (Old-timers recall that the rockets were assembled in the corridors of Michelson Laboratory, with scientists, secretaries, and all other personnel forming the assembly line.)

The 1950s represented a busy time for NOTS. New buildings and facilities were added, such as the Supersonic Naval Ordnance Research Track; new weapons were introduced to the fleet, such as ASROC. A lot of the work dealt with underwater ordnance; much of this work was carried on at the Pasadena Annex of NOTS on Green Street in Pasadena, and weapons were tested at Morris Dam and at San Clemente Island. The Rocketeer had a correspondent providing news from the southland facilities.

Weapons produced in this decade besides Sidewinder that were not included the 2.75-inch forward firing aircraft rocket Mighty Mouse, and the development of the 5.0-inch FFAR Zuni.

In addition, BOAR, a 30.5-inch nuclear-warhead standoff weapon entered the fleet; this was one of relatively few nuclear weapons with which China Lake has been identified.

The decade ended with another project

First combat seen in 1958 by Sidewinder

production rounds of 6.5-inch antitank aircraft rocket (ATAR), Ram, were delivered to operating forces.

Assembly line used everyone on project

that would have drawn even greater world-wide publicity than Sidewinder if it had clearly succeeded: NOTSNIK.

Officially named Project Pilot by the Navy, and the NOTS Project locally, the personnel who were involved in the all-out effort knew it much better as NOTSNIK since it was a quick response to the Soviet Union's earth satellite SPUTNIK.

The approach taken by China Lake was to use an aircraft as the first stage, and to use modified components to construct the

SNORT joins inventory at China Lake

actual delivery vehicle. Six test launches were made in this crash program without provable success — but many China Lakers believe that one of these did go into at least a temporary earth orbit, which would make it the first U.S. satellite.

'Centers of Excellence' established by Navy

The decade of the 1960s was extremely busy and productive at NOTS, which became the Naval Weapons Center when the Navy laboratories were reorganized into Centers of Excellence in 1967. The cognizant parent organization in Washington no longer was the Bureau of Naval Weapons, but the Naval Material Command.

The productivity of the laboratories —

Equally recognizing the productivity of China Lake was the statement made by then Secretary of Defense Robert McNamara in 1965 that over 75 percent of the air-to-air and air-to-ground weapons being used in then-escalating Vietnam struggle had been developed at NOTS.

The "eye" series of free-fall weapons also came to the fore during the 1960s, including such varied weapons as Snakeye, Rockeye, Gladeye, Deneye, Sadeye, Bigeye, Weteye, Padeye, Misteye, Briteye, and Fireye.

Development of undersea weaponry continued at China Lake. While some of the projects were as prosaic as torpedoes, others could be classified as exotic. For instance, the Navy's first porpoise, NOTTY, got that name because it was part of a study conducted by China Lake.

Undersea developments that brought publicity to the local facility included Deep Jeep, a small submersible, and CURV (cable-controlled underwater recovery vehi-

cle), which achieved world fame as the device used to fish a nuclear bomb from the waters off Palomares, Spain, when this was dropped accidentally. CURV had been developed to recover torpedoes at test ranges such as that at San Clemente Island.

Scientists at NOTS — and then NWC, after 1967 — also looked to the skies. Weather modification studies included trying to diminish the effects of hurricanes (Stormfury), to clear fog from airports (Foggy Cloud), and to make rain.

The most public success achieved in the weather modification field by Center scientists was Project Gromet II. Gromet II was a cloud seeding operation that brought rain to the Philippine Islands, which were in the midst of a severe drought. The grateful Philippine government presented a plaque of appreciation to the Center for its technical assistance after several senior NWC scientists headed there to use techniques and materials developed locally that

resulted in sufficient rainfall in the island nation to ensure the growth of essential crops.

New facilities established at China Lake during the 1960s ranged from the Electronic Warfare Threat Environment Simulation (EWTES) to the Minideck, each of which was covered in the Rocketeer. The Coso Military Target Range, established in 1962, saw heavy use.

In the reorganization of the laboratories, the Naval Ordnance Laboratory Corona merged with what had been NOTS to become NWC. The guided missile and fuzing technology that the Corona personnel brought with them has enabled NWC to become the Navy's guided missile fuze and sensors expert. Personnel from Corona completed a move to China Lake in 1971 when the Corona facilities shut down.

Anniversary...

(Continued from Page 5)

photographers. Consequently, editors still played with every one to please call the Rocketeer with regard to newsworthy events.

Although the closing of Harvey Field, Inyokern, was the lead story in the issue of Tuesday, April 30, 1946, the paper still carried "NOTS, Inyokern" on its masthead until Wednesday, February 15, 1950.

Why the day of publication moved from Monday to Tuesday to Wednesday to Friday is a puzzle to the current Rocketeer staff, which suspects that the contractor's printing schedule may have been the deciding factor.

The only print shop in the area was one owned by Paul Hubbard in Randsburg, on whose flatbed presses the Rocketeer was printed. Pictures were sparse for years because the zinc engravings from which they were printed had to be made to an exact size in a shop in Los Angeles, and the engravings, mounted on a wooden block, then had to be shipped by Trona Stage to the local area in time for inclusion in the paper. (The Trona Stage was a bus line serving the American Potash Company, predecessor to Kerr McGee.)

Only in the mid 1960s did the paper go to offset printing on the rotary press newly installed in the print shop used by what was then the Valley Independent and is now the Daily Independent.

The Rocketeer was published by the Office of the Chaplain until 1947. At that time, responsibility for it was moved to the Public Information Office and it remained under that office until August 1970, when it was switched to the Technical Information Department. In late February 1980, it once again returned to the Public Affairs Office and is a part of that office still.

Rocketeer editors throughout the years included Patricia Olcott, who served as editor both as a military person and as a civilian; AOM2c Don Carter; S2c Dave Levy; Erma Peirson; and, finally, Don Yockey became managing editor in August 1950.

When Yockey moved to another job in February 1955, the role of managing editor was taken by Henry Swafford. Others who were editor during that year were PH3 B. A. Tyler, Wayne C. Harsh, and F. E. Laney. By the next year Bud Gott was named editor and held that slot alternately until 1962 with Phyllis Wait, who was assistant editor much of the time.

Later editors in the 1960s were John Hughes, Richard Grueneberg, Frederick L. Richards, and William P. Valenteen, Jr. The issue of August 20, 1971, once more lists Don Yockey as editor. Yockey kept the editorial reins firmly in his capable hands until his retirement last December, when Mick Strang took over.

President visits to celebrate anniversary

and China Lake in particular — was recognized when President John F. Kennedy visited here in 1963 in honor of the 20th anniversary of the founding of the desert R&D establishment.

Naval Ordnance Test Station Now Naval Weapons Center



Vol. XXII, No. 27 Naval Weapons Center, China Lake, California Fri, July 7, 1967



CHANGING THE NAME — Public Works men (l-r) Joe Peirson and Wilbur Beard remove the sign from above the Administration Building entrance and load it for a trip to the Sign Shop, where it will be repainted to read "U. S. Naval Weapons Center."



Scouts Begin Trans-Sierra Hike To Camp

A team of 12 Boy Scouts from Troop 41 are embarking today on a 50-mile trans-Sierra hike.



OUTSTANDING SERVICE — ATC George L. Horn of VX-5 (r) was presented the Secretary of the Navy Commendation for Achievement by Capt. W. B. Munde during recent Squadron ceremonies. Chief Horn earned the award while a member of Attack Squadron 155 embarked in USS Constellation from June 15 to November 9, 1966, as Chief Petty Officer of the squadron shop. During this time Chief Horn performed his duties in an outstanding manner. Though heavily burdened with complex electronics equipment, his aviation shop maintained outstanding availability of all aircraft systems, according to the Citation. Chief Horn reported to VX-5 for duty in April of 1967.

Navy Establishing Several New 'Centers of Excellence'

The Naval Ordnance Test Station officially came to an end on Navy organization charts Saturday, July 1, and became a new center for Navy research and development, according to announcements from the Chief of Naval Material, Adm. J. Galantin.

China Lake is now the nucleus for a new organization called the Naval Weapons Center (NWC). The Center will include the former Naval Ordnance Laboratory at Corona, now called Naval Weapons Center, Corona Laboratories.

The Pasadena Laboratories become the headquarters for the new Naval Undersea Warfare Center (NUWC), and will include undersea technology people from both the former NOTS and the former Naval Electronics Laboratory at San Diego. NUWC will retain the ranges and personnel at Morris Dam, Long Beach and San Clemente Island.

The former NELS, San Diego, becomes the Naval Command Control Communications Laboratory Center.

The existing Pasadena organization will be augmented by the transfer of sonar functions from the former Naval Electronics Laboratory, San Diego.

Functions and personnel at China Lake related to the undersea center's mission will also be transferred to the Naval Undersea Center.

The Undersea Center plans calls for eventual physical consolidation of all its elements in one location. However, continuity of the interests of the em-

With approximately 1,000 persons killed and an additional 34,000 injured in motor accidents each week, it is not enough to be a good driver and obey the traffic laws, we must learn to be a defensive driver.

When following a vehicle, your best defense is to be alert. Watch for situations which will cause the driver ahead to slow down or stop; stay back one car length for each 10 miles per hour to give yourself time to maneuver.

When there is a car behind you, do not be so slow to stop gradually and smoothly and communicate to the driver.

The existing facilities at Corona will be maintained and will be an integral element of the new weapons development center. The responsibility for program management will rest with the Center.

With the incorporation of the Naval Ordnance Laboratory, Corona, the new weapons development center will have a staff of about 5,000 civilians.

To Die Quickly Do Not Obey Following Rules

With approximately 1,000 persons killed and an additional 34,000 injured in motor accidents each week, it is not enough to be a good driver and obey the traffic laws, we must learn to be a defensive driver.

When following a vehicle, your best defense is to be alert. Watch for situations which will cause the driver ahead to slow down or stop; stay back one car length for each 10 miles per hour to give yourself time to maneuver.

When there is a car behind you, do not be so slow to stop gradually and smoothly and communicate to the driver.

TEMPERATURES table with columns for date, max, and min.



Vol. XII, 42 U.S. Naval Ordnance Test Station, China Lake, Calif. October 19, 1956

To the Sea -- 'A SIDEWINDER'

Deadly Desert Rattler In Form of Guided Missile

The Department of the Navy announced this week that the Navy's new air-to-air guided missile, SIDEWINDER, is no longer a test article but is operational and is on board fleet units at sea. This missile is named after the fast striking, deadly, desert rattlesnake—the sidewinder. The SIDEWINDER missile was conceived here at NOTS and is now in production by the Philco Corporation of Philadelphia, Pennsylvania.

The highly successful working relationship between a Government agency possessing combat experience and development personnel, and a large private industrial concern possessing high level production and engineering personnel, which led to the fleet operational SIDEWINDER, is almost unique in today's missile business. The requirement for SIDEWINDER as assigned to the Naval Ordnance Test Station in 1950 and the original concept of SIDEWINDER was evolved by Dr. Wm. B. McLean, now Technical Director of NOTS and the Station's civilian scientists and engineers working with naval officers familiar with fleet requirements, conceived the original concept of SIDEWINDER into the weapon that it is today.

SIDEWINDER provides the fleet with a rugged, inexpensive weapon capable of operating against high performance type aircraft. Extensive testing and evaluation has demonstrated that SIDEWINDER is reliable and can destroy enemy fighters or bombers from sea level to altitudes over 30,000 feet. The Navy explained that the SIDEWINDER is basically a defensive weapon and would be used to augment the protection of our men and ships at sea from attacks by enemy aircraft, thereby enhancing the position of our fleet in maintaining the freedom of the sea, for all nations.

SIDEWINDER will also be employed in the air defense of the continental U. S. it was explained. The Navy stated that two Navy squadrons possessing SIDEWINDER capability have already been deployed with the fleet. Ticonderoga is deployed aboard the USS Essex, and the 4th fleet in the Mediterranean area and F-105 211 has deployed aboard the USS Hornet in the Western Pacific.

Captain F. L. Ashworth, station commander, explains that the SIDEWINDER represents a new approach to weapons systems for defense against supersonic aircraft. This new missile has very moving parts and no more electronic components than an ordinary radio and the simplicity of SIDEWINDER makes it possible for men of our Navy to handle and assemble



DR. WM. B. McLEAN—Technical Director of the Naval Ordnance Test Station. Dr. McLean conceived and developed the Navy's latest guided missile, SIDEWINDER. He stressed simplicity and ease of manufacture.

From Gadgeteering, A Guided Missile Weapon With Complex Functions but Simple in Design

The conception of the SIDEWINDER guided missile is essentially the story of Dr. William B. McLean, Technical Director of the U. S. Naval Ordnance Test Station. SIDEWINDER stemmed from the same interests that led high school student Bill McLean to build electric motors, design and construct his own photographic equipment, construct himself a canoe out of bows of touring car tops and in other ways to spend his youthful hours tinkering with electrical and mechanical gadgets.

This gadgeteering, a lifetime hobby, covers the complete range from household knickknacks to complete weapon systems. The one common denominator being that Dr. McLean's most absorbing interest is in designing for simplicity no matter what the object or its purpose. This overwhelming urge to design for simplicity, Dr. McLean believes, resulted from the tight purse strings, and to tug against in his youth. If he wanted a photo enlarger or a new electrical gadget, he had to design and build it himself. And since economy was the big factor, he had to design for economy in the cost of parts—economy in effort—and economy in respect to the tools he would need. It is little wonder then that when he became the main force in the development of SIDEWINDER that he continually stressed design simplicity and ease of manufacture.

The step up from designing and building backyard objects of amusement to developing solutions to involved problems of defense was a natural one; however, it was to take years of study to develop this capability. From the early 1930's to 1939, William McLean attended the California Institute of Technology where he received a BS degree (1935), MS (1937) and PhD (1939) in physics. While taking his graduate studies he served as a part-time instructor in physics, worked in the photo lab and built a 10-million-volt Van de Graff generator. From 1939 to 1941 he carried out research work in nuclear physics at the University of Iowa. During this time he also spent many hours constructing equipment in the machine shop. He left the university in 1941 to go to the Naval Ordnance Test Station in Washington, D. C.

Development Board approved the establishment of the SIDEWINDER guided-missile project.

Since 1951 when SIDEWINDER was established as a project, the work on this missile has been a team effort of the Station—each Department and organization contributing in some form to the development. Dr. McLean stresses that SIDEWINDER is a Station development and one in which each Station employee should accept credit, since he still is thinking about the progress he has made and still is planning new projects. The big difference is that he now has help from more people and can see more projects progress from the idea stage to flight weapons. As for actual laboratory work, he now starts his gadgeteering interests through his hobby of designing and building items such as a recently completed face mask and a floating take-up reel for skin diving. Hobbies such as this can be very important in providing outlets which complement the demands of a job.

Since SIDEWINDER represents the first air-to-air guided missile to be carried all the way from the idea stage to operational usefulness by a government laboratory, it is pertinent to examine the philosophy of SIDEWINDER's originator in respect to the work and capabilities of this Station. To Dr. McLean, design and development work can best be carried out where you can also test your ideas and what made it possible to undergo to test results. For this reason he feels that NOTS has a specific appeal to people who like to design things and see them work. This is what brought him to NOTS and what made it possible for him to bring about the SIDEWINDER project; likewise, he feels, it is the factor which is now attracting the young engineers and scientists who will provide the answers to weapon needs of the future.



Northridge advisor visits Center

Professor Jagdish Prabhar of California State University Northridge will be at NWC Monday to advise current and prospective students in the external degree programs of that university.

NWC by Northridge include a master's degree in mechanical engineering and a master's degree in electrical engineering.

Those who wish to see Professor Prabhar are asked to make an appointment by telephoning Kit Driscoll at NWC ext. 2648.

Cerro Coso classes available

The Center will pay your full tuition if you are enrolled in courses provided 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.

If you are not a co-op student, you must submit a DD Form 1556 (Request, Authorization, Agreement, and Certification of Training and Reimbursement) via department channels to Code 094. The form must arrive in Code 094 at least five working days prior to registration.

If a course is not directly job-related, submit NAVWPNCEN 12410/66, Academic Enrollment Justification and NAVWPNCEN 12410/68, Individual Development Plan, describing how the

course fits into your overall career plan and how attendance at the course will strengthen your contribution to the Center's mission.

If you are not yet a California resident, please include a statement from your supervisor indicating the negative impact to NWC of postponing the training until residency is established. Code 094 will return the approved form to you. You must take it with you to Cerro Coso when you register in order for NWC to pay your tuition.

If you are a co-op student, a DD 1556 is not required, simply tell the registrar that you are an NWC co-op student when you register. If you have any questions, call Kit Driscoll or Cecil Webb, NWC ext. 2648 (Code 094).



SANDRA COLLIER

BILL BETHKE

DIANE HULSEY

Personnel servicing teams

This is the fifth of 8 articles featuring the personnel servicing teams. The Personnel Department recently organized the Service Divisions into 8 personnel servicing teams. Each team is composed of 4 members: 2 Personnel Management Advisors and 2 Personnel Assistants. This week the spotlight is on the team providing personnel services to Codes 34, 38, 39, and O1T.

Team members are:
Sandra accompanied her husband Bill to China Lake in 1979. She is currently enrolled in classes at Cerro Coso where after completing her AA degree she plans to acquire a BA degree in Finance and Management. Three of Sandra's working years at the Center were spent in the Payroll Office, the last two years have been in the Personnel Department, which included working with the Public Works Department. Her current assignment is Lead Assistant.

Bill came to the Center as a PMA late in 1982 from the Human Resource Program office at the Navy Finance Center in Cleveland, Ohio. Prior to that, he worked in the Department of Education as an Equal Opportunity Specialist and in the Department

of Health and Human Services as a personnelist. Bill has a BA degree in Political Science from the University of Dayton and is currently the Lead PMA for Codes 34, 38, 39 and O1T.

Diane came to the Center in 1980 as Branch Secretary for Codes 6203 and 6214. She accompanied her husband to Arkansas for an 18 month stay and re-joined the Center in April 1984 and worked as Branch Secretary for Code 3555, EWTES Facility, Randsburg Wash. She joined the Personnel Department as a Personnel Assistant in April 1985. Diane will complete two Associate Degrees, Psychology and Business Administration, in 1986 and then work towards her BA degree in Business Administration.

Susan Irving (not pictured) came to the Center in 1979 from Oklahoma where she received a BA degree in Education from Northeastern Oklahoma State University. Susan worked in Code 08 as a Management Analyst until June 1983, at which time she moved to San Diego to work at the Navy Manpower and Material Center, Pacific. She returned to the Center in June 1984. She is currently the back-up PMA.

Recent additions

CODE	NAME	TITLE
097	Kraft, Kathleen B.	Personnel Mgt. Spec.
2405	McKinney, Rhonda L.	Clerk-Typist
2634	Hansard, Charlene D.	Clerk-Typist
2638	Pierce, Michael E.	Engrg. Tech.
3112	Haworth, Robert H.	Physicist
3114	Smith, Donna J.	Clerk-Typist
3144	Barney, Paul A.	Electronics Engr.
3152	Martin, Camille M.	Clerk-Typist
3275	Wilson, Douglas M.	Electronics Engr.
3651	Smith, Carolyn M.	Engrg. Data Mgt. Spec.
36572	Schuyler, Charles D.	Engrg. Tech.
3664	Brown, William P.	Logistics Mgt. Spec.
3918	Roloff, Vicki L.	Secretary (Typing)
61	Labrie, Steven A.	Admin. Junior Professional

Recent departures

022	Tidwell, Dorothy M.	Legal Tech.
26422	Hooper, Douglas R. Jr.	Maintenance Foreman
26437	Richards, Walter H.	Water Treatment Plant
26446	Glymp, Ronald L.	Electrician
3661	Flynn, Thomas J.	EQ Spec. (missile)



Promotional Opportunities

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

All applications will be retained in the vacancy announcement file; they will not be returned or filed in official personnel folders. Applications and supplements are accepted at the Reception Desk, Room 100, Personnel Department, 505 Blandly. 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. 232-005, Clerk-Typist, GS-322-3/4, Code 232 — Duties include scheduling appointments with the proper facility and notify the patient of the pertinent information. Obtains patient health records to check for accuracy, appropriate use of forms. Maintains a transportation log for patients requiring clinic transportation to Naval Hospital Long Beach. Pulls records, checks for pertinent forms, and coordinates appointment date with transportation date to Naval Hospital Long Beach. Prepares monthly statistical reports appointment scheduling. A qualified typist is required. **Elements:** Knowledge of Navy correspondence manual; knowledge of the clinic's organization and function.

No. 32-169, Clerk-Typist, GS-322-3/4, Code 3261 — Incumbent provides secretarial support to the Warhead Development Branch. Knowledge and working skill on a XEROX 640 is desirable. **Elements:** Knowledge of English grammar, spelling, and punctuation to be able to correct obvious errors in material being typed; knowledge of procedures required to maintain timecards, prepare travel orders, and maintain NWC filing system; knowledge of the proper handling of classified material; skill in operating a typewriter; must be a qualified typist. Status eligibles may apply.

No. 32-170, Materials Engineering Technician, DT-802-1/2/3, Code 3272 — Incumbent will assist and/or provide direct technical support in design and fabrication of plastic, rubber, and composite assemblies. Duties include selection and preparation of raw materials, design, and fabrication of required tooling hardware, and assembly of finished components into specified ordnance or other equipment.

Elements: Knowledge of plastics formulations; fabrication techniques and applications; operational and safety policies; and industrial hygiene policies. Skill in design and manufacture of precision dies and molds. Ability to operate processing equipment, such as, presses high-temperature ovens, milling machines, lathes, and bandsaws; and to collect information and write reports using scientific data. Inservice placement procedures may be used.

No. 33-008, Electronics Technician, DT-856-A/1/2, Code 3318 — Incumbent will serve as a Hybrid Microcircuit Technician. Responsibilities include learning all phases of microcircuit fabrication: layout, screen printing, building and wiring, and electronic test. **Job Elements:** Knowledge of microelectronic construction techniques and the use and application of specialized equipment. Previous applicants need not reapply.

No. D-34-022, Photographic (Laboratory), DT-1060-1, Code 3451 — The incumbent performs all standard techniques and procedures necessary to produce accurate and precise photographic prints and transparencies. The incumbent will use various types of manual enlargers, automatic printers and processors and perform related photo finishing duties. **Job Related Criteria:** Basic knowledge of laboratory processes and procedures involved in the production of still prints and transparencies. Knowledge and use of automatic printing and processing equipment. Ability to effectively use basic technical publications. Promotion potential to DT-2. Status eligibles may apply.

No. D-34-023, Audiovisual Production

Specialist, DA-1071-1/2/3, Code 3444 — Responsible for writing and producing audiovisual presentations. Efforts are focused on NAVWPNCEN programs and facilities, conveying pertinent information to management and technical personnel, other Navy establishments and the Department of Defense. **Job Elements:** Produce slide and vugraph presentations. Operational knowledge of state-of-the-art audiovisual equipment is desirable but not essential. Ability to work with civilian and military customers and communicate effectively both orally and in writing. Must demonstrate good people skills. Promotion potential to DA-3.

No. 35-058, Electronics Technician, DT-856-3/DP-856-3, Code 3511 — Serves as digital systems technician, heading further development of the Highspeed Anti-Radiation Missile (HARM) Systems Software Support Facility (SSSF) hardware and software. Responsible for project definition, planning, and implementation. Tasks include improving automation and validation of the digital software test system. This group supports this effort with state-of-the-art software and hardware planning, development, measuring, configuration management, and documentation computer hardware and software tools. **KSAs:** Knowledge: digital hardware design and hardware/software integration; technical planning; real time software facilities. **Abilities:** plan digital system technology tasks with multi-disciplinary staff; work with personnel at all levels and task a support staff; present plans to on and off Center sponsors. Promotion from DT-3 to DP-3 depends on Code 35 approval.

No. 36-244, Engineering Technician, DT-802-2, Code 3646 — Incumbent works independently and with engineers and scientists in conjunction with or as a consultant on design and fabrication of weapons systems hardware in relation to Computer Aided Manufacturing. Ensures that designs and fabrication processes are properly formatted for tolerancing, configuration control, complex surface generations, costs, production control, quality control, and documentation standards. Incumbent is responsible for the coordination of assigned projects between the weapons systems customer and the CAM processes involved including providing quality-assured data packages. Develops new software and hardware to expand the use of the Computer Aided Manufacturing process. **Elements:** Knowledge: of the CAM process including APT and graphics programming for multi-axes fabrication functions; of design practices and design documentation standards. **Ability:** to work directly with the design engineers, plan projects, and program automatic tools via the graphic process, program in APT (multi-axes) and lead other in completing project work. Three-years' experience in CAM operations and programming is desirable.

No. D-38-008, Engineering Technician, DT-802-2/3, Code 3892 — This position is located in the Propulsion Research Branch, Engineering Sciences Division, Research Department. The incumbent will be involved in the design, development, testing and evaluation of unique laboratory test equipment in the area of solid propellant combustion instability; assists senior scientists in related research projects using on-line computer data acquisition and reduction. **Job Elements:** Knowledge of independently planning, fabricating, and assembling unique models of test equipment without detailed instructions; ability to learn to machine, prepare, and handle small solid propellant samples; ability to learn to independently perform laboratory tests using electronic data recording devices; ability to work as a member of a research team.

No. 61-10, Electrical Engineering Technician, DT-802-2, Code 6123 — This position is located in the Aircraft Department, Engineering Support Division, Engineering Support Branch. Provides layout, modification, installation, troubleshooting and repair of aircraft wiring and cabling for experimental aircraft weapons systems, avionics, and instrumentation data systems. Planning, layout, installation, and repair of aircraft related systems such as aircraft fire control and flight simulator consoles. **Job Elements:** Knowledge of specific aircraft safety requirements, knowledge of T&E related military aircraft modifications, ability to perform modifications to aircraft wiring & cabling systems.

No. V-61-11, Interdisciplinary: Supervisory General Engineer, DP-801-3/4, Supervisory Electronics Engineer, DP-855-3/4, Supervisory Mechanical Engineer, DP-830-3/4, Supervisory Aerospace Engineer, DP-861-3/4, Code 6101 — Position serves as associate to the Head of the Aircraft Department. Duties include the technical and administrative management of a military/civilian support organization responsible for Armitage Airfield flight operations, logistics support aircraft, and various T&E development/modernization programs. **Job Elements:** Ability to integrate requirements of military, civilian, and contractor organizations; ability to effectively negotiate policies and plans through all levels of Center management, as well as through major claimants; ability to manage a technical program. Knowledge of Affirmative Action Program.

No. 64-011, Aerospace Engineering Technician, DT-802-1/2, Code 6411 — Incumbent will assist project engineers in the development of parachute systems through detail textile design, textile and mechanical drafting, textile patternmaking, and flight test support, and as an interface between the branch and support codes such as the textile fabrication and packing shops. **Job Elements:** Knowledge of parachute or related textile fabrication techniques, knowledge of textile and mechanical drafting practices. Ability to communicate orally and in writing. Knowledge of ANSI Y14.5.

Announcement No. 08-019, Payroll Supervisor, GS-544-6/7, PD No. 7908037N, Code 08641 — This position supervises 7-10 payroll clerks in the Payroll Office, Office of Finance and Management. Supervisory duties include assigning and scheduling work, establishing procedures, training new employees, providing guidance and assistance, spot checking work of subordinates. In addition, the incumbent is responsible for the establishment and maintenance of the basic master control accounts for leave and payroll, prepares special reports as required by the head of the Payroll Office, serves as the control point and liaison for all payroll accounting data to and from the data processing group, handles special accounts. **Job Relevant Criteria:** Knowledge of computerized payroll system; knowledge of and ability to interpret Federal payroll and leave regulations; knowledge of leave and labor accounting; ability to supervise.

No. 08-018, Budget Clerk/Assistant, GS-561-4/5, Code 087 — This position is located in the Corporate Budget Staff, Office of Finance and Management. Incumbent will coordinate the centralized job order/output and fund document acceptance processes for the Center. Responsible for assuring the accuracy of information provided by departments on job orders and assures the accuracy and completeness of the Master Job Order File. Enters all incoming fund documents in an automated fund document data file and coordinates the acceptance of the fund documents by the department and



Personnel Development Opportunity

FINANCIAL MANAGEMENT FOR NONFINANCIAL PERSONNEL

4-5 June, Tuesday and Wednesday, 0800-1130, Cerro Coso City College, Room 246. By: Gale Poppen.

Scope: Provides nonfinancial personnel with basic information on the NWC financial system. Topics include basic information about NIF, overhead, job order numbering, customer order numbering, facilities, appropriations, and how the Center is funded. Recommended for people who have been on-Center a minimum of 6 months.

Deadline: 22 May.

NAVAL CORRESPONDENCE FOR ADMINISTRATIVE AND TECHNICAL WRITERS

11 June, Tuesday, 0800-1100, Cerro Coso City Center, Room 113. By: Mary Lou Smith.

Scope: Intended for all nonclerical personnel who write naval letters and memorandums. Provides a brief on Chapter 1 (Naval Writing Standards) to the Department of the Navy Correspondence Manual. You will learn ways to make the transition from "governmentese" to plain English. You will be shown the formats for naval letters and memorandums and will receive an explanation on their use. Please bring the correspondence manual to class.

Deadline: 29 May.

HOW TO ASSIGN STANDARD SUBJECT IDENTIFICATION CODE (SSIC) NUMBERS

12 June, Wednesday, First session 0800-1000, second session 1300-1500, Cerro Coso City Center, Room 113. By: Pam Rivera, Code 0821.

Scope: To help you become familiar with SECNAVINST 5210.11C. Designed to aid writers and typists in assigning SSIC numbers using the Standard Subject Identification Code Manual.

Deadline: 29 May.

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

CANCELLATION

FILES IMPROVEMENT AND RECORDS DISPOSITION scheduled for 12 June has been cancelled. The class will be offered at a later date in July.

The Center. Reviews documents for completeness of data and compliance with NAVCOMPT regulations. Job Elements: Ability to use remote computer terminal with on-line interactive programing; knowledge of the automated billing system; knowledge of NWC job order processing procedures and policy. Potential is GS-5.

No. DPDR-222, Property Disposal Clerk (Typing), GS-1107-05, Defense Property Disposal Office-Barstow, OSB China Lake, Naval Weapons Center — Serves as Property Disposal Clerk (Typing) with responsibility for providing technical assistance to Utilization and Sales Specialists. Processes application for transfer of excess/surplus personal property and assures timely movement of property to federal/donee customers. Analyzes problems occurring in the transfer/donation program and recommends solutions to higher authority. Job Elements: Duties require a thorough knowledge of the Property Disposal process and keeping current on changes in regulations that affect the utilization and donation of excess/surplus property. This involves keeping familiar with various programs such as DIPEX, exchange sale, or other items which require special processing. Performs related clerical duties such as typing and compiling data from IDMS printouts for reports. Position requires the services of a qualified typist. Candidates must show one year general experience and two years specialized experience and must be a fully qualified typist. Applicants must submit a completed SF-171 "Personal Qualifications Statement," listing this announcement number. A current "Performance Appraisal" must be submitted with application. Each applicant is requested to complete a "Voluntary Background Survey Questionnaire," OPM Form 1386. Applications should be submitted to the Office of Civilian Personnel, P.O. Box 22, Defense Depot Ogden, Ogden, UT 84407. Forms may be obtained by calling (801) 399-7008 in the Office of Civilian Personnel. Further information may be obtained by telephoning George A. Blamires, (801) 399-7687 or AUTOVON 790-7687. The announcement closes May 23, 1985.

No. CC-8524, Child Caregiver Supervisor, PS-0189-05, \$5.02 per hour, Permanent Full-Time plus benefits, Code 22421 — Incumbent is responsible for supervision of all personnel assigned to his/her facility; supervision of the food service program; for work schedules for his/her facility; planning an annual program that meets the developmental needs of the children; seeing that each Caregiver has a weekly lesson plan which reflects the annual plan; ensuring that the physical plant is safe, clean, and a cheerful environment. Incumbent will be a high school graduate or equivalent, will have completed 12 units of Early Childhood Development at college level. Work requires long periods of standing and walking with recurring bending, crouching, and similar activities. This is not a Civil Service position.

No. CC-8526, Child Caregiver, PS-0189-03,

\$4.43 per hour, Permanent Full-Time plus benefits, Code 22424 — Incumbent will provide care, guidance, and developmental experiences to the children which assigned and will prepare a daily lesson plan that reflects the annual plan set by the leader. Incumbent will be a high school graduate or equivalent, will have 12 college units of Child Development or six months experience or training under a qualified supervisor in working with children at the preschool age. Work requires frequently lifting small children weighing up to 40 pounds, constant standing, walking, and bending. Incumbent will work inside and outside as necessary. This is not a Civil Service position.

No. 09-44, Clerk Typist, GS-322-4 or Personnel Assistant, GS-203-5/6, Code 096 — (2 vacancies - 1 vacancies is full-time and the other vacancy may be filled with 2 part-time employees working approximately 20 hours/week.) — Performs the following duties for a major department(s): processes all actions effecting appointments, pay, separations, conversions of appointments, etc; performs competitive and non-competitive qualification ratings; performs ranking and may conduct ranking/selection panels; and drafts vacancy announcements for recruitment. At the higher levels, incumbent advises and recommends to supervisors and managers, recruitment options for certain occupations (e.g., clerical); participates in various phases of crediting plan development which may include, but is not limited to, job analysis and establishing KSAPs. Elements: Knowledge: of personnel policies and procedures related to staffing. Abilities: to plan, organize and accomplish work independently; to perform a variety of clerical/technical functions; to research, comprehend and apply complex regulatory information. Promotion potential to GS-7. Status eligibles may apply.

No. 14-024, Computer Clerk, GS-335/3, Code 1442 — The incumbent will assemble, organize and input data into document entry format, maintain the documents, assist in their input into computer and assist in the maintenance of existing financial and procurement data files. Job Elements: (1) Knowledge of basic operating procedures for office automation equipment workstation (i.e., Xerox Star DECIMATE II, IBM 3270-PC etc.) (2) Knowledge of procurement procedures, (3) knowledge of NWC financial procedures governing job order definition. Promotion potential to GS-5.

No. 33-009, Supervisory Multidisciplinary (General/Mechanical/Electronics Engineer), DP-801/830/850-3 or (Materials Engineering/Mechanical/Electronics Technician), DT-802/856-3, Code 3385 — As branch head, the incumbent directs a small design cadre and a staff of technicians who fabricate fuze prototype hardware. Job Elements: Knowledge of fuze technology, fabrication of flight qualified fuze hardware, quality control, project prioritization and scheduling, and cost control; knowledge of personnel policies and procedures and a desire to support NWC EEO policies and goals are required. Promotion potential exists from DT-3 to DP-3.

No. 00-12, Secretary (Typing), GS-318-4/5/6, Code 022 — Position provides clerical, typing, and other administrative support to the Staff Judge Advocate. Please provide Supplemental Qualifications Statement and most current Performance Assessment along with SF-171. Part-time — 32 hours per week. Status eligibles may apply. Previous applicants need not reapply.

No. 32-168, Secretary (Typing), GS-318-4, Code 3261 — Incumbent provides secretarial support to the Warhead Department Branch. Knowledge and working skill on a Xerox 640 is desirable. Status eligibles may apply.

No. 33-014, Secretary (Typing), GS-318-4/5/6, Code 33 — Associate Department Head level position. Please provide Supplemental Qualifications Statement and

most current Performance Assessment along with SF-171. Previous applicants need not reapply.

No. 33-017, Secretary (Typing), GS-318-4/5, Code 33904 — Program Office Secretary. Provides secretarial and administrative support to the Program Office. Applicants must submit current annual performance evaluation in addition to required supplemental. Status eligibles may apply.

No. 35-059, Secretary (Typing), GS-318-4, Code 3514 — Incumbent will provide secretarial support to the head, Systems Analysis Branch. Promotion potential to GS-5.

No. D-39-007, Secretary (Typing), GS-318-5/6, Code 35902 — Serves as Division Secretary for the Engineering Sciences Division.

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. A 14-022, Interdisciplinary Physicist, Computer Scientist, Mathematician, Electronics/Aerospace/General Engineer, DP-1310/1550/1520/855/860/8011-2/3, Code 1412 — This position is located in the Software Engineering Environment-Insertion of Technology (SEE-IT) Project Section of the S&E Applications and Tools Branch, Code 1412. The incumbent is responsible for requirements analysis, design and acquisition/development of software engineering tools for VAX and IBM PC-compatible workstation environments. The incumbent will consult with end users, and review change proposal/trouble reports. Emphasis is placed on the adoption of "off-the-shelf" technologies and enhancements to increase the function of the existing SEE-IT configuration. Potential to the DP-3 level if filled at DP-1 or DP-2, but is not guaranteed. To apply for this position, forward a current SF-171 to Dale Christensen, Code 1412, NWC ext. 5775.

No. 35-048R, Interdisciplinary (General/Electronics Engineer/Physicist/Mathematician/Computer Scientist), DP-801/855/1310/1520/1550-1/2/3, Multiple Vacancies, Code 3512 — Incumbent designs software and/or develops mathematical models for computer simulation of electronic countermeasures, tracking radar systems, and/or aircraft platforms. Work is coordinated with that of other team members. Experience with real-time programs and VAX computers is desirable. Send an updated SF-171 to Terry Wilson, code 3512. Previous applicants need not reapply.

No. 35-044R, Interdisciplinary (General/Electronic/Aerospace Engineer, Physicist, Mathematician, Computer Scientist), DP-801/855/861/1310/1520/1550-2/3, Multiple Vacancies, Code 3515 — Incumbent supports development of tactical software for EW systems (e.g. HARM, LCS). Uses structured analysis techniques and tools to graphically define software requirements, design and test the software. Writes code in assembly language using VAX editors and cross assemblers. Provides recommendations for approval of tactical software changes, plans and executes validation tests in a Software Support Facility. To apply for this position, forward an updated SF-171 to Bill Stratton, Code 3515, NWC ext. 2951. Previous applicants need not reapply.

No. 35-054R, Interdisciplinary (General Engineer/Electronics Engineer/Computer Scientist/Physicist/Mathematician/Aerospace Engineer/Mechanical Engineer), DP-810/855/1520/1310/1550/830/861-1/2/3, Code 3551 (Six vacancies). — Incumbents serve as members of a team responsible for the development of a large

real-time software program. This software records and processes data from radars and other sensors associated with electronic warfare. Results of tests are presented in real-time to the Operations Center. Missile and AAA simulations as well as a variety of other processes are included in the real-time software. Work schedule is the "First Forty" hours. Promotion potential to DP-3. Send an updated SF-171 to Joy Harrelson (Code 35502). Previous applicants need not reapply.

No. 36-235, Interdisciplinary General/Mechanical/Electrical/Electronics/Aerospace Engineer/Physicist/Mathematician/Industrial Engineer, DP-801/830/850/855/861/1310/1520/896-3, Code 3604 — Responsible for the technical management of the assigned Sidewinder Aft Components efforts at NWC. Will coordinate the efforts of various NWC branches in close liaison with technical management elements of NAVAIR. Elements: Knowledge: of missile aft component technology desirable; of Sidewinder and its support system; of and willingness to support NWC EEO policies, procedures, and goals. Ability: to communicate effectively with all levels both orally and in writing; to comprehend and coordinate efforts on a large number of complex technical efforts; to interface effectively with both NAVAIR and contractor personnel. Willingness to travel sometimes extensively. Eligible DP-2s may apply. Submit current SF-171 to Joe Oliver, Code 3604.

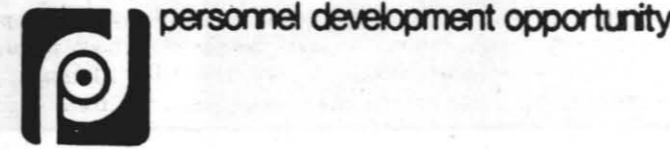
No. D-39-042, Interdisciplinary (General/Electronics/Aerospace Engineer), DP-801/855/861-3, Code 39 — This position is located in the Weapons Department, Code 39. The incumbent will provide support on a variety of closely related technical projects. Duties will include, but not be limited to, the following: Monitor technical progress of developmental avionics, sensors and systems; analyze and evaluate engineering performance; coordinate technical reviews; monitor development plans and schedules to ensure that goals/milestones are being met; review test plans, procedures and reports; and provide recommendations on engineering studies, designs and change proposals. KSAs: Knowledge: general knowledge of hardware and software aspects of weapon and/or avionic systems; systems integration; development testing; and product assurance. Abilities: plan, schedule, and monitor development; interact with personnel across a broad spectrum of technical disciplines; communicate clearly both orally and in writing to deal effectively with all levels of management and engineering personnel in both the government and industry. Send copy of current

SF-171 to Jim Kneppshield, Code 39E.

No. 62-027, Interdisciplinary Aerospace/Mechanical Engineer, DP-861/830-2/3, Code 62222 — This position is located in the Engineering Section at the SNORT track. Incumbent provides engineering support associated with test programs of the Branch; assumes responsibility and carries out or arranges for others to carry out sled ballistics, sled design, accessory design, and range and track hardware modification; acts as liaison and coordinates efforts of design and shop groups, and operating, instrumentation, and contractor personnel; and is responsible for following through with the research, development, test, evaluation and report of special problems or phases for developing improved techniques and components that further the testing capability of the Track. Elements: Knowledge: of the mechanical, structural, and propulsion engineering fields, of stress analysis; of procedures and techniques of testing. Ability: to communicate orally and in writ-

ing; to deal with all levels of government and contractor personnel. To apply for this position, send current 171 to John Richards, Code 6222, NWC ext. 4304/4309.

No. D-34-021, Program Manager, DP-340-3, PAC No. 8334607E39, Code 343 — This position is head, Library Division, located in the Technical Information Department. The incumbent is responsible for managing or coordinating one or more of the following functional areas: technical library operations, secondary publications distribution, and other areas related to effective communication of technical information for providing assistance to NWC scientists/engineers. Job Relevant Criteria: Knowledge of TID functions; ability to communicate effectively both orally and in writing; ability to supervise and provide leadership; ability to implement and administer management policies; ability and willingness to support NWC EEO policies and goals. To apply for this position forward an up-to-date SF-171 to Nick Curran, Code 3402, (phone NWC ext. 2266).



The following classes are being offered this summer for the Cal-State Chico Computer Science Program, the Cal-State Northridge Electrical and Mechanical Engineering Programs, and the Cal-State Bakersfield Business and Public Administration Program.

Computer Science

Math 477 - Numerical analysis (5 quarter units)
 June 17-22 4:00 to 6:00 p.m., Monday and Wednesday, Safety Bldg. classroom. By: Chuck Kenney, PHD, ext. 3597

Differential Equations, FORTRAN.
 Scope: Topics for this course include numerical solutions of non-linear equations; linear systems of equations; estimation of characteristics roots; quadrature; curve fitting; interpolation; numerical solution of ordinary differential equations; basic concepts of numerical error; error propagation.

Text: "An Introduction to Numerical Analysis". Atkinson Wiley.
CSCI 370 - Systems Design Theory (3 units)
 May 4-5 and June 22-23 Saturday and Sunday, 8 a.m. to 4 p.m., Safety Bldg. classroom. By: Professor Aronov, CSUC

Prerequisite: CSCI 270 (Systems Design) or consent of instructor
 Scope: Software project management: planning, organization, staffing, and control of a software project. Software cost factors and software cost estimation models. Legal and regulatory aspects of software engineering.

Text: No text.
Note: This is a required class for the MSCS, Software Engineering option.

CSCI 152 - Operating Systems Programming (3 units) June 7-9, June 26-28 Friday 8:00 to noon, Saturday and Sunday 8:00-4:00, Safety Bldg. classroom. By: Professor Clement Luk, CSUC

Prerequisite: CSCI 151 (Data and Program Structures)
 Scope: Operating system concepts and techniques are addressed. The course includes study of linkage-editors, loaders, channel operations, and interrupt handlers.

Text: TBA
CSCI 350A: Language Theory (3 units)
 June 15-16; July 13-14; August 10-11 Saturday and Sunday 8:00 to 4:00, Safety Bldg. classroom. By: Professor Bruce Pumpin, CSUC.

Prerequisite: Discrete Mathematical Structures
 Use of relations, functions and graphs in data management, structures programming, and flow analysis. Applications of regular grammars, finite state automata, regular expressions, context free grammars, and pushdown automata in language recognition and translation. Decidability and its influence on program testing and formal verification. State transition and applicative models of computation. Fundamental results from analysis of algorithms.

Text: TBA
Note: This is a required course for the MSCS, Software Engineering option.

CSCI 273: Data Base Management (3 units)
 July 20-21; August 17-18; and September 14-15 Saturday and Sunday 8:00-4:00, Safety Bldg. classroom. By: Professor James Murphy, CSUC.

Prerequisite: CSCI 151 (Data and Program Structures)
 Scope: The course is an introduction to data base management systems. Topics include storage structures, data-definition languages and datamanipulation languages for relational, hierarchical and network approaches to data base management.

Text: TBA
CSCI 372: Operating System Theory (3 units)
 August 3-4, 24-25 and September 21-22 Saturday and Sunday 8:00-4:00, Safety Bldg. classroom. By: Professor Larry Wear, CSUC

Prerequisite: Discrete Mathematical Structures
 Use of relations, functions and graphs in data management, structures programming, and flow analysis. Applications of regular grammars, finite state automata, regular expressions, context free grammars, and pushdown automata in language recognition and translation. Decidability and its influence on program testing and formal verification. State transition and applicative models of computation. Fundamental results from analysis of algorithms.

Text: TBA
Electrical Engineering
Engr. 260 - Electrical Engineering Fundamentals (3 units)
 May 31 - July 27 Friday 4:00 p.m. to 6:30, Cerro Coso Community College. By: Professor Jagdish Prabhaker

Prerequisite: Physics 1B (Electricity and Magnetism) and Math 6D in 477 (Applied Differential Equations)

Scope: Topics for this course include: introduction of the theory and analysis of electrical circuits; basic circuit elements including the operational amplifier; circuit theorems; dc circuits; forced and natural responses of simple circuits; sinusoidal steady state analysis and the use of a standard computer aided circuit analysis program. Consideration will be given to power, energy, impedance, phasors, and frequency response.

Text: "Basic Electric Circuit Analysis" Johnson, Hilburn, and Johnson. Prentice-Hall 2nd edition.
Note: This is a required course for those seeking an undergraduate degree in electrical or computer engineering.

Engr. 260L: Electrical Engineering Fundamentals Laboratory (1 unit)
 June 1 to July 27, Saturday, 2:00-5:00 p.m. By: Professor Jagdish Prabhaker, CSUN

Engr 355 - Theory of Digital Machines (3 units)
 June 3 to July 30 Monday 10:00 a.m. to 12:30 p.m. and Tuesday 7:30-10:00 a.m., Cerro Coso Community College. By: Professor Robert Wong, CSUN

Prerequisite: Math 6B
Scope: The course is an introduction to digital systems. Topics treated include: number systems, binary codes, Boolean algebra, combinational logic design, logic minimization techniques, sequential circuits design, arithmetic operations, data transfers using register transfer notation, memory devices, digital system organization and digital subsystems design.

Text: "Digital Logic and Computer Design" Mano. Prentice-Hall
Note: This is a required course for those seeking an undergraduate degree in electrical or computer engineering.

Engr. 355L - Theory of Digital Machines Laboratory (1 unit)
 June 3 to July 21, Monday 2:00-5:00, Cerro Coso Community College. By: Professor Wong

Scope: Laboratory for Engr. 355 listed above.

Mechanical Engineering
Engr. 396 - Selected Topics in Thermal Fluid Systems (3 units)
 June 5 to August 1, Wednesday 2:00-5:00 and Thursday 8:30-11:30 a.m., Training Center Annex. By: Professor T. W. Fox

Scope: The course is an overview of essential theories from thermodynamics, thermal-fluid systems. Topics include: first and second laws of thermodynamics; fundamental equations of fluid mechanics; introduction to condition, convection and radiative heat transfer.
Text: Introduction To Thermal Systems. Schmidt, Henderson & Wolgemuth. John Wiley.

Note: Professor Len Sprint, CSUN, will be on Center for advising Mechanical Engineering students on May 14. Anyone desiring counseling can make an appointment by calling Kit at ext. 2648.

Math 477-Numerical analysis (5 quarter units)
 June 17-22 4:00 to 6:00 p.m., Monday and Wednesday, Safety Bldg. classroom. By: Chuck Kenney, PHD, ext. 3597

Differential Equations, FORTRAN.
Scope: Topics for this course include numerical solutions of non-linear equations; linear systems of equations; estimation of characteristics roots; quadrature; curve fitting; interpolation; numerical solution of ordinary differential equations; basic concepts of numerical error; error

Text: "An Introduction to Numerical Analysis." Atkinson Wiley.
NOTE: This is a good class to prepare one for the graduate class in numerical methods being offered in the fall. On campus, this is a required class for all engineers. Many senior and graduate courses assume a knowledge of numerical analysis, so it is an essential foundation class for those aspiring for the master's degree in engineering, ME option. This class will not count for credit toward the master's degree.

Business and Public Administration
BA 383 - Investments (5 quarter units)
 June 18 to July 23 Tuesday and Thursday, 4:00-9:00 p.m. Safety Bldg. classroom. By: Professor Ken Sakoori, CSB

Prerequisite: BA 381 (Financial Management or permission of instructor)
Scope: Topics for this class are supply and demand for capital; principles of analysis of various types of securities, security markets, and financial institutions; formulations of investment strategies.

BA 677 - Futurism (5 quarter units)
 June 18 to July 23 Tuesday and Thursday 4:00-9:00 Safety Bldg. classroom. By: Professor Richard Graves, CSB

Scope: The course offers an introduction and critical overview of the science and art of futurism - the orderly study of the future. The course will explore the challenge of human survival in the face of interconnected problems such as resource shortages, population growth, and environmental degradation.

BA 340 - Marketing (5 quarter units)
 July 30 to August 29 Tuesday and Thursday 4:00-9:00 (1 hour dinner break), Safety Bldg. classroom. By: Professor Dennis Guseman, CSB

Scope: The course provides a study of the nature and role of marketing in advanced economics in a managerial context; and an analysis of consumer wants, motivation and purchasing power, and introduction to and formulation of optimizing mixes between product, pricing, distribution, and promotional variables.

To enroll in these classes, submit Training Request (Form NAVWPNCE 12410/73) via department channels to Code 094. Registration will be held in class at the first class meeting. Books are available at the local bookstore.

For more information on specific programs call Steve Lee at NWC ext. 2468; Cecil Webb, NWC ext. 2648 or Kit Driscoll, NWC ext. 2648.

Secretarial opportunities

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

Unless otherwise indicated, applicants will be rated against the job relevant criteria indicated below. A supplemental form is required and may be obtained at Room 100 in the Personnel Building. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences.