



**UNREQUITED LOVE** — Laurie Gerow, portraying Guenevere, and Bill Farris, portraying Lancelot Du Lac, lament their fate in this scene from rehearsal for CLOTA's presentation of Camelot, which runs tonight and tomorrow evening. Tickets for the show, which begins at 7:30 p.m. in the Burroughs Lecture Center, are still available at the door. They are \$6.50 for general admission and \$4.50 for senior citizens, students under 21 and enlisted personnel and their dependents.

## Star Spangled Summer fun continues for youngsters

Providing local youth with a variety of exciting summer activities, the Star Spangled Summer continues at the Naval Weapons Center.

Being held at the Youth Center, Monday through Friday, 8 to 10 a.m., the Room to Grow development program's third session "Super Me" will begin on August 4 and will continue through August 15. Available to children 5 to 9 years of age, the course is \$18 for military dependents, \$20 for DOD dependents and \$22 for private citizens.

Trophies and awards will be going to the first through third place finishers at the youth golf tournament being held in August. Golfers age 8-10 will play on Monday, August 18 from 9 a.m. until 1 p.m. Playing on Monday, August 25 from 9 a.m. until 1 p.m. will be golfers age 11 to 17. Check-in time for both events is 8:30 a.m. at the China Lake Golf Course. Tournament fees are \$9 for military dependents, \$10 for DOD dependents and \$11 for private citizens.

From August 11 through the 15, a bicycle safety course will be offered in the Gym Annex from 9 to 10 a.m. Instruction will include bike repair, street regulations and

the latest rules governing on and off road racing. Clinic fee is \$4.50 per military dependent, \$5 DOD dependent and \$5.50 for private citizen. Bikes are needed at the class.

Being held at the Youth Center, the Skate Board Tournament will take place on Wednesday, August 6 from 9 to 11 a.m. Youth, age 8-17, will accomplish events such as the Giant Slalom and the Freestyle Fees are \$7.75 per military dependent, \$1 per DOD dependent and \$1.25 per private citizen. Participants are required to have a signed permission slip, knee pads, elbow pads and a hard helmet.

Youth, aged 9-15, will be able to further their knowledge of leather working while completing two projects. This advanced leather tooling class will run August 5-14 from 9 to 11 a.m. at the Hobby Complex. Course fees are \$14 per military dependent, \$15 per DOD dependent and \$16 per private citizen. Fees include all instruction and materials needed for the course.

Registration for all these events will be taken at the Information, Ticket and Tour Office Monday through Friday, 9 a.m. to 5 p.m. Additional information may be obtained by phoning 939-2101.

## IWV Booster may hold keys to television problems

When the characters in Dallas begin to look like they're snarling at each other in the middle of an arctic blizzard, or the AAU Diving Championships seem to be taking place in mid-December in Siberia, viewers may want to phone Indian Wells Valley TV Booster, Inc. (TVB) before calling for the repairman. The not-for-profit organization

operates a recorded announcement service to inform viewers on the status of through-the-air reception. Dialing 446-7442 helps callers determine the source of their TV problems by announcing which channels, if any, are having difficulties at the organization's translator/relay stations on Laurel and "B" Mountains, or perhaps at their own points of origin.

Mike Cash, a member of Booster's Board of Directors, operates the announcement-and-trouble-reporting program out of his home. Since he established the service three months ago, records indicate an average of 1.5 calls every day to the

## ARC moves

Moved from 1811 Lauritsen, the Red Cross Office is now located at 1605 Lauritsen (on the corner of Lauritsen and Ellis).

Open Monday through Friday, 12:30 to 5 p.m., the office still retains its old telephone numbers. People needing to get in contact with the Red Cross can still contact them at 939-3208 during working hours or at 939-2303 for emergencies.



A disco will be held at the Enlisted Mess this Wednesday, July 30, from 8 to 11:30 p.m. Dance Music Connection will be the DJ and authorized patrons and guests will be able to cast another ballot for their favorite DJ. Admission is just \$1 per person.

Enjoy a seafood plate special at the Enlisted Mess tonight, July 25, from 5:30 to 9 p.m.

Every Sunday, from 9:30 a.m. until 1:30 p.m., enjoy a mouth-watering brunch at the Commissioned Officers' Mess. Adults can enjoy all they can eat for only \$4.95 each, children ages 7-12 can eat all they can for only \$2.95 each and children ages 2-6 can feast for only \$1.95 each. Little ones under 2 years of age can eat all they want for free.

organization's answering device.

Over half the callers leave a message about reception problems on a specific channel. Mike verifies these reports by testing incoming signals on three distinct antenna systems. If his check confirms the difficulty, he passes the information to the TVB Operations Committee. This prompts a trek by committee members to one of TVB's mountaintop relay installations to diagnose the problem. To restore acceptable transmission, the organization's FCC-licensed engineer may have to adjust or replace electronic components purchased with a fund supplied through membership

## Movies

FRIDAY	JULY 25
"POLICE ACADEMY 3: BACK IN TRAINING"	
Starring Steve Guttenberg and Bubba Smith (Comedy, rated R, 84 min.)	
SATURDAY, MONDAY	JULY 26, 28
"THE MONEY PIT"	
Starring Tom Hanks and Shelley Long (Comedy, rated PG, 91 min.)	
SUNDAY	JULY 27
"SLEEPING BEAUTY"	
(Animated, rated G, 75 min.)	
TUESDAY	JULY 29
MATINEE	
"101 DALMATIANS"	
(Animated, rated G, 79 min.)	
WEDNESDAY	JULY 30
"TROLL"	
Starring Michael Moriarty and Shelley Hack (Science-Fiction/Comedy, rated PG-13, 83 min.)	
THURSDAY	JULY 31
MATINEE	
"WEIRD SCIENCE"	
Starring Anthony Michael Hall and Kelly LeBrock (Comedy/Fantasy, rated PG-13, 93 min.)	
FRIDAY	AUGUST 1
"PRETTY IN PINK"	
Starring Molly Ringwald and Harry Dean Stanton (Comedy, rated PG-13, 97 min.)	
Starting Times: Matinee / 2:00 pm - Evening / 7:00 pm	
Box Office Opens: 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

## NEX News

Summer Values Sale continues at China Lake's Navy Exchange through Wednesday, July 30.

The NEX Back-to-School Sale is slated from July 30 through Aug. 17.

This weekend, enter the great television giveaway. Patrons can win a Panasonic television by signing up in the self-service department.

Wednesday, July 30 is the registration deadline and the drawing is planned for August 6.

NEX patrons can take advantage of the Personalized Services Department for photo finishing, dry cleaning, house plants and other unique gifts.

## Government wins A-76 cost comparison study

Responsibility for maintenance, upkeep and repair for facilities and utility systems at the Naval Weapons Center will remain an in-house government function according to results of a commercial activities and cost comparison study announced by Capt. J.W. Patterson, NWC Commander.

A cost comparison of estimated in-house costs and a private contractor's bid for performing the tasks over a five-year period show it will be an estimated \$5.4 million cheaper to retain the functions in-house. The total estimate of retaining these

functions in-house was placed at \$23.7 million. The contract price bid by Colejohn, Inc. from Cleveland, Ohio, was more than \$29.1 million.

The study, mandated by the Office of Management and Budget Circular (OMB) A-76, took more than two years to complete but the final decision will not be made until the appeal process has been completed. Both Colejohn, Inc. and the government can appeal parts of the cost comparison made by NWC's Central Staff Management

Division. The study was reviewed, audited and approved by Naval Audit Service personnel from the western region in San Diego.

The appeals process is 15 working days long with the appeal period concluding at 4:30 p.m. on Friday, Aug. 8. The appeal information will be disseminated by Aug. 12 and the government has five working days (until 4:30 p.m. Aug. 19) to make comments upon the appeal of the contractor.

While there is an appeal process, it is

worth noting that neither the government's staffing plan nor the contractor's proposed manpower level costs are subject to appeal. The contractor can appeal only perceived inadequacies within the government's cost estimates.

Since 1983 NWC has contracted out family housing maintenance, warehousing and vehicle maintenance to Pan American World Services after a similar OMB Circular A-76 commercial activity and cost comparison study was conducted at the Center.

## Novel new gun system undergoing testing here

Concept validation tests are underway at the Naval Weapons Center on a really novel gun system, the Tround Gun. First conceived in the early 1950s, it derives its name from its unique triangular shaped plastic cartridge case (triangular round). This is the first opportunity for the government to independently evaluate this promising concept.

The Center's Gun Systems Branch in the Advanced Technology Division of the Ordnance Systems Department acquired this experimental .50 caliber Tround gun and 10,000 rounds of ammunition from TROUND International, Inc. earlier this year.

Ron Jones, Gun Systems Branch program manager for this evaluation, noted the contractor delivered the hardware on schedule and within budget. "We have high expectations for this gun," commented Jones. Using lightweight, plastic cartridge cases with a triangular cross-section, the experimental single barrel Tround Gun has a firing rate in excess of 1,200 shots per minute. He noted the early efforts of the gun's inventor, David Dardick, in the marketing of a .38 caliber double action handgun. Other efforts at exploiting this concept have included an experimental .30 caliber gatling gun and a shoulder-fired weapon with three barrels that fired three projectiles with each squeeze of the trigger. None of these were ever commercial successes.

NWC, stressed Jones, "is thoroughly testing the hardware to determine the validity of the Tround concept for military applications." It is, he stressed, still experimental in nature.

A Tround gun utilizes an innovative open chamber concept to load, fire and eject its cartridge cases. While conventional automatic weapons use complex mechanisms to move ammunition both laterally and longitudinally, Tround ammunition is cycled through the gun in a lateral direction only.

The chamber for a Tround gun consists of a simple, open sided triangular shaped slot formed into the surface of the rotating cylinder. A Tround cartridge is moved laterally into this chamber as the cylinder rotates. After rotating the chamber round into firing position, under the so-called "firing strap," the rotation of the cylinder is momentarily stopped. With the cartridge now in line with the bore of the barrel, the gun is fired. After a short pause to allow the projectile to exit the barrel and chamber pressure to subside, the cylinder continues its rotation and the empty cartridge is moved out from under the firing strap and ejected from the chamber.

Key features of this gun system concept include simplicity, small size, low weight and inherent capability for delivering high firing rates. Performance and operational advantages include reliable operation,

(Continued on Page 7)



**FIRING BUTTON** — Dave Caudle, test engineer, has button while he holds a stop watch to time the burst his thumb on the Tround Gun's remote control firing in the other hand.

## Capt. J.A. Burt will take command

Capt. John A. Burt, 42, has been selected to succeed Capt. John W. Patterson as Commander of the Naval Weapons Center. Capt. Burt will relieve Capt. Patterson in a formal change of command ceremony set for Wednesday, Aug. 13.

The designated Center Commander reports to China Lake from duty as Program Coordinator for Support Aircraft and Weapons Systems Manager for the Naval Air Systems Command (NAVAIR). He assumed that position in October of last year after a year as executive assistant to the Commander, Naval Air Systems Command.

A native of Corvallis, Ore., Capt. Burt is a 1965 graduate of the U.S. Naval Academy. He earned his wings as a Naval aviator in March, 1967 at Kingsville, Tex. and his first flying assignment was with VA-97 at Naval Air Station Lemoore as a plankowner in the second A-7A Corsair II squadron formed on the west coast.

Following a combat deployment to Southeast Asia aboard the U.S.S. Constellation, he earned a Master of Science degree in aeronautical engineering from the Naval Postgraduate School.

Serving with VA-146, Capt. Burt made two more deployments aboard the Com-



**NEW COMMANDER** — Capt. John A. Burt has been named to succeed Capt. J.W. Patterson as Commander of the Naval Weapons Center. He comes to China Lake from duty as Program Coordinator for Support Aircraft and Weapons Systems Managers in the Naval Air Systems Command.

stellation, flying A-7Es. During this tour he spent two years as aircraft maintenance officer and six months as operations officer.

From December, 1974 until July, 1977, Capt. Burt was at the Naval Academy as an instructor in aeronautics and Associate Chairman of the Aerospace Engineering Department. He was designated an aeronautical engineering duty officer while at Annapolis.

The new NWC Commander served as weapons integration officer for the F/A-18 and as HARM Missile assistant program manager for systems and engineering in his first assignment with NAVAIR. In June of 1980 he reported to Great Britain as the F402 Engine Technical Representative from NAVAIR.

During his three-year tour in London, he served as the U.S. co-chairman of the Pegasus Engine Joint Control Board.

Returning to Washington, D.C. in 1983, he headed the Large Turbine Engine Branch in NAVAIR for more than a year before reporting for duty as executive assistant to the Commander, NAVAIR.

In addition to degrees from the Naval Academy and the Naval Postgraduate

(Continued on Page 5)



	Max	Min	Peak Gust	Precip
Fri.	97	66	20 knots	—
Sat.	103	63	13 knots	—
Sun.	106	62	13 knots	—
Mon.	94	66	21 knots	trace
Tues.	94	68	19 knots	0.01
Wed.	98	66	16 knots	0.02
Thurs.	98	66	18 knots	—

All measurements are made at Armitage Airfield.

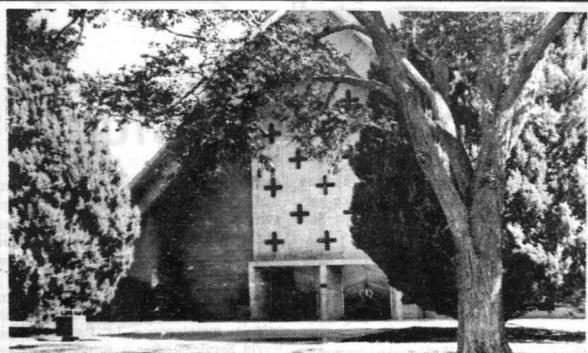
## White water on the Kern

Join NWC's Recreational Services for the adventure of a lifetime. On Friday, August 1, the Youth Activities Branch will travel to the Kern River for an exciting white water rafting expedition.

Trip fee is \$20 per military dependent and \$25 per DOD dependent and is available to youth age 12 through 17.

Participants should pack a sack lunch for the trip.

Registration will be taken at the Information, Ticket and Tour Office Monday through Friday, 9 a.m. to 5 p.m. Registration deadline is July 30. For additional information call Kelley McCammon at 939-2571.



## Divine Services

**PROTESTANT**

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

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

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

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

Chaplain J. Milton Collins, Capt., CHC, USN  
 Chaplain A. J. Smith, Cdr., CHC, USN  
 Hearing impaired equipment available. Nursery available.  
 Phone NWC ext. 3506, 2773

### PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from appointable Department of Navy employees within the area of consideration and from eligible employees of attached activities who are permanently assigned to NWC unless otherwise specified in the ad. Appointable means career or career conditional employees, temporary employees with reinstatement or VRA eligibility and employees serving under Veterans Readjustment Appointments (VRAs). Alternative recruitment sources may also be used in filling these positions; vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements including minimum qualification requirements by the closing date. Applicants will be evaluated on the basis of experience, education, training, performance ratings and awards as indicated in the SF-171 along with any tests, medical examinations, performance evaluations, supplemental qualification statements and/or interview that may be necessary. Career ladder promotions are subject to satisfactory performance and cannot be guaranteed. **APPLICATION PROCEDURES:** Candidates must submit a current SF-171, along with a supplemental qualifications statement (if required), and should submit a copy of their latest Annual Performance Evaluation if relevant to the vacancy. If a supplemental statement is not required, candidates are encouraged to submit additional information which then addresses the specific Knowledge/Skills/Abilities (KSAs) cited in the ad. Write the position title/series/level and announcement number on the SF-171 and all attachments. Be sure that your forms are complete and accurate since you cannot be rated on missing data nor will you be contacted for additional information. Be certain the SF-171 and supplements are dated and have original signatures in ink. All applications will be retained in the vacancy announcement file; they will not be returned or filed in official personnel folders. Applications and supplements are accepted at the Reception Desk, Room 100, Personnel Department, 505 Blandy. Ads close at 4:30 p.m. on Friday, one week after the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

No. 26-041, Computer Programmer, DS-334-2/3, Code 26022 — Incumbent will train to use the data base software SMARTSTAR. Using SMARTSTAR, the incumbent will develop data bases for the Department; train users to input and retrieve data from the data bases; interface with all levels of personnel within the Department to define areas where computerization will be an asset to the responsibilities of the Department. The incumbent will work closely with other members of CISO in support of the Department in the C&IS area. KSAs: Knowledge of VAX/VMS; of Data Base; SMARTSTAR. Desirable, but not mandatory. Ability to use VAX/VMS; to communicate effectively with individuals at all organization levels both orally and in writing; to plan, organize and coordinate complex data base projects; to work effectively in a team environment; to work under pressure. If filled at the DS-2 level, promotion potential to the DS-3 level but is not guaranteed.

No. 26-042, Contract Administrator, DA-1102-1/2, Code 2682 — Incumbent provides full range of Contract Administration duties on Facility Support Service Contracts including preparation of request for proposals for modifications, cost/price analysis, negotiation. Provides support to senior contract administrators in preparing statement of work, cost/price analysis for new solicitations and contract renewals. Elements: Knowledge of basic contract regulations; knowledge of Public Works facility support services; ability to analyze data and present findings; ability to deal effectively with people at all levels.

**NWC Rocketeer**

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 NWC Commander

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 Technical Director

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 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.



aircraft; of the NAVAIR sponsors. Ability: to effectively deal with personnel of diverse backgrounds. Willingness to support NWC/EEO goals and objectives. Promotion potential to DP-4 but not guaranteed.

No. 29-039, Interdisciplinary Supervisory Electronics Engineer, Mechanical Engineer/General Engineer, DP-855/830/801-3/4, Code 3921 — This position is head of the Weapons Control Branch in the Weapons Development Division of the Weapons Department. This branch provides missile system prototype hardware including guidance and control, instrumentation, launch interfaces and packaging for missile development programs; performs R&D engineering for modular integrated missile computer systems; maintains state of the art CAD/CAM/CAE systems and designs; and provides engineer-

### SECRETARIAL OPPORTUNITIES

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

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

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

No. 24-016, Secretary (Typing), GS-318-4/5, Code 243 — Provides secretarial support to the head of the Security Division. Promotion to GS-5.

No. 25-054, Secretary (Typing), GS-318-5/6, Code 351 — Incumbent provides support to Division Staff. Knowledge and working skill of the Xerox 860 required. Knowledge of the Xerox Star desirable. Promotion potential to GS-6.

### Recent Separations

01A2	Hansford, Gregory R.	Management Analyst
2413	Hevner, David R.	Police Officer
2413	Wall, Jan W.	Police Officer
2611	St. Pierre, Wendy S.	Production Facilities
2611	Padgett, Robert E.	Plan/Est. Inspector
3114	Pondelick, Trina N.	Secretary (Typing)
3337	Wilson, Cory P.	Electronics Tech.
39088	Coleman, Cheryl A.	Engr. Aid
3894	Coulthard, Lily A.	Secretary (Typing)
39413	Phelps, Robert N.	Electronics Engr.
6212A	Griest, Wilmer M.	Engr. Tech.
62C2	Sound, Alan R.	General Engr.
6451	Knottelberg, Donna K.	Secretary (Typing)

### Soldering recertification class set for September

A 24-hour high-reliability soldering recertification course will be held from September 3 through 5 from 7:30 a.m. to 4:30 p.m. in Building 00459, Dorm 10. This course is for government personnel needing recertification to WS-6536. The requirements for the course are (1) previous 40-hour solder certification and (2) a current eye examination. To be scheduled into class, contact the Soldering Technology Branch, Code 36814, NWC ext. 2720 or 2678.

### REGISTRATION FOR FALL CLASSES AT CERRO COSO

Cerro Coso Community College has established registration for fall courses on 5 through 15 August. Schedules are available in the Training Center lobby.

### Personnel Development Opportunities

#### INTRODUCTION TO UNIVAC CLASS FOR BEGINNERS

4-8 August and 25-29 August (two separate classes), 0730-1130, CSC Trailer behind M/L, Trailer 1414A. By: Joann Barton.

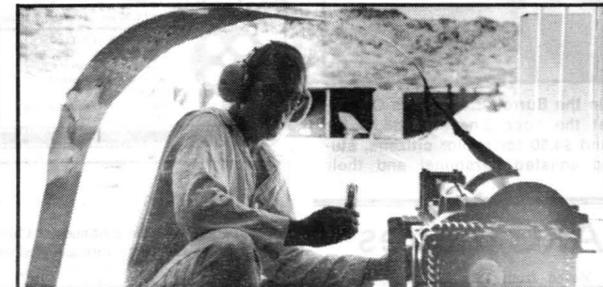
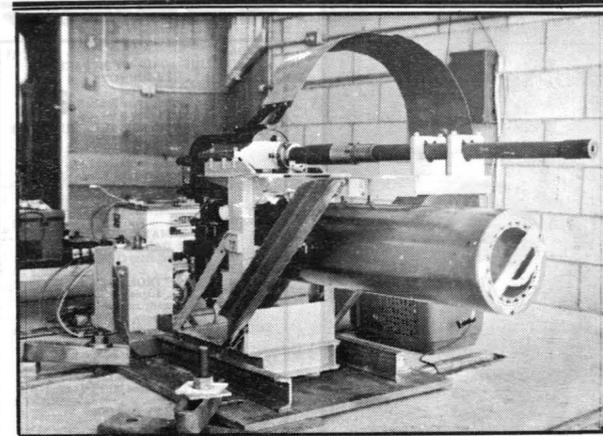
Prerequisites: User ID and password for Univac computer and pass for M/L.

Course Objectives: You should learn about Univac EXEC commands, program and data files, file utilities, RUN initiation, and how to print files and print tapes, and log-in on the computer.

Note: There is no programming involved in this course. Course instruction includes written exercises and hands-on lab work. Limit of 12 students per class.

Deadline: 25 July for the 4 August class and 8 August for the 25 August class.

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



**TRIANGULAR CARTRIDGE CASES** — Charlie Beach, firing officer for the Gun Systems Branch, hand loads the triangular shaped rounds into the Tround Gun magazine.

(Continued from Page 1)

enhanced maintainability and high potential lethality as a weapon system. The concept, noted Jones, lends itself to many types of projectiles. While the current tests are with a .50 caliber system, he feels the ammunition could be developed up to cannon size.

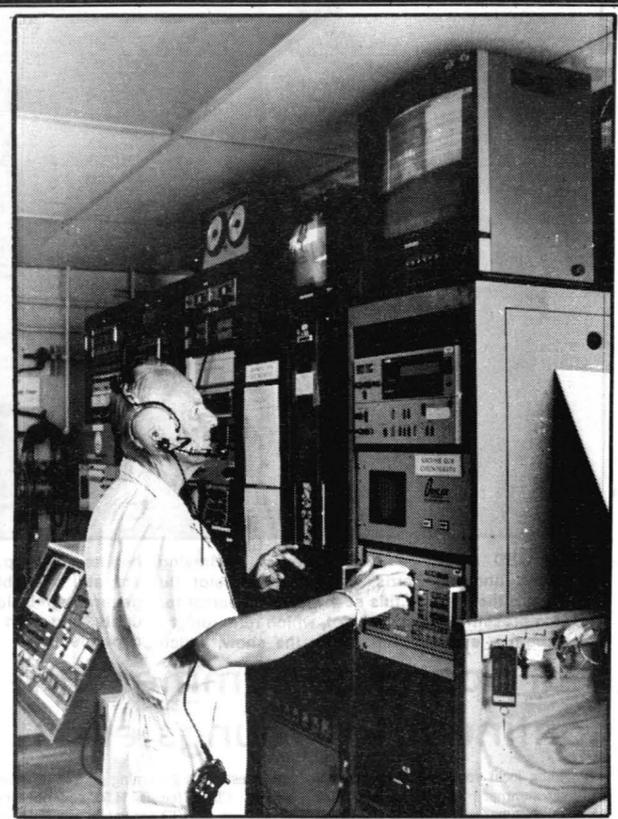
Both Gun Systems Branch and Applied Science Branch personnel supporting test and evaluation efforts emphasized they were enthused with the concept although the gun is still in the experimental stage.

They note, for example, the ammunition appears to offer very desirable insensitive munitions characteristics. The plastic cases act as an insulator for both propellant and explosive projectiles. Cartridges containing inert projectiles exhibit very benign reactions to being deliberately "cooked-off" outside of the chamber. The cases soften and destructively high case pressures are not reached prior to ignition of the propellant.

Other testing shows cartridges having their primers initiated outside of the chamber exhibit equally benign reactions. The plastic cases yield at low pressure and when the pressure subsides, the propellant ceases to burn with most of the propellant spilling out, unburned, from the burst cartridge case.

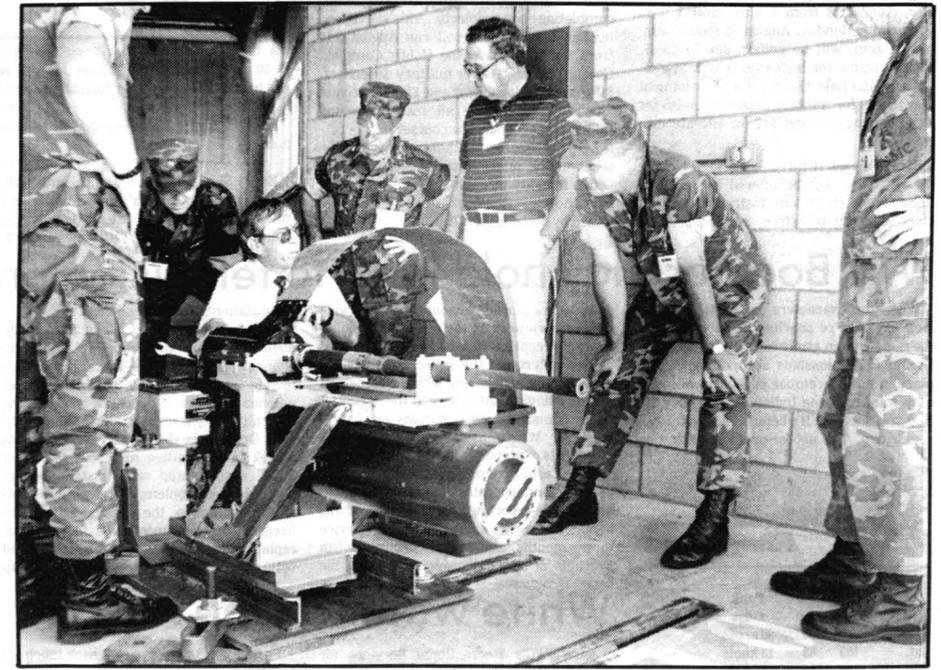
Test personnel see many possible applications for the Tround. The Advanced F/A-18 aircraft program is investigating the substitution of the Tround for the existing gun system. The Tround, with its inherently smaller size, is expected to create space for installation of additional avionics onboard the aircraft. Other potential applications include such conventional uses as ground-to-air Forward Area Air Defense (FAAD) systems.

Most of the potential problem areas identified in preliminary tests have been or will be addressed during NWC testing later this year, but Jones notes the Navy is still in the preliminary stages of this evaluation. The Tround gun system concept has a number of technical hurdles yet to overcome, but the concept is seen as a promising candidate for new gun technology, replacing conventional techniques in use now for more than a century.



**CONTROL ROOM** — Jack Thompson, an instrumentation technician, monitors a Tround Gun firing demonstration from the control room. All the work leading up to and including the demonstration are video taped for later review.

## Tround gun system being tested at NWC



**VISITING BRASS** — Ron Jones (behind gun) briefs development and studies, Marine Corps Headquarters, visiting Marine Corps officers, including Maj. Gen. on operation of the Tround Gun during a late June Raymond M. Franklin, deputy chief of staff, research, demonstration of the experimental gun system.

# Anglers, hikers enjoy eastern Sierra country

One of the nicer five-mile hikes in the eastern Sierra region is the hike up Cottonwood Creek to Cottonwood Lakes. Lodged in the Golden Trout Wilderness area; the lakes are a popular day hike destination for ambitious anglers. Only lakes five and six are open to fishing.

From recent reports, however, anglers who want to catch goldens will fare better if they stop and fish Cottonwood Creek near the trailhead to the lakes. Also the creek between lakes five and six is well populated with small goldens.

Elsewhere in the eastern Sierra region, earthquakes are drawing more attention than fishing. Monday's Bishop-area quake has closed access to Pleasant Valley Reservoir. The quake also changed the water flow pattern in Hot Creek, near Mammoth and may have changed the fishing character of the stream as well.

People going into the back country can

expect lots of mosquitoes and many north slope trails above 11,000 feet remain snow-covered or muddy. Travel into the Reds Meadow area is limited during the day when shuttle bus transportation is available, fishing in the San Joaquin River and Stocher Lake is reported fair.

Elsewhere, mid-summer weather prevails and trout fishing remains good for planted rainbows, native browns and in some places, goldens.

The lower Owens is best where the streams flow into the river and upstream where the creeks come out of the canyons.



## Sports

There is fair bass fishing in the Lone Pine Ponds and east of the Black Rock fish hatchery.

Anglers fishing Lake Sabrina and South Lake are catching rainbows on a variety of baits and small lures. Trollers are going deep to land some nice size trout.

Both forks of Bishop Creek, Pine Creek and Big Pine Creek offer good fishing for pan-size planted rainbows. Some limits are being taken by anglers using red salmon eggs, floating cheese bait and small, flashy lures.

The second season at Crowley Lake will

begin next month. There will be a minimum keeper size of 18 inches and anglers can use flies and artificial lures only from Aug. 1 through the end of the season in October. Trollers going deep with Needlefish and Dave Davis lures are finding the good size trout at Crowley this month.

Mammoth area lakes are stocked with catchable sized rainbows on a regular basis and most roadside waters give up a fair number of limits to persistent anglers using salmon eggs, marshmallows and a wide variety of other baits and lures.

June Lake Loop lakes are reporting fair to good fishing conditions. The weather is fine, mosquitoes are out, the water level in the streams is dropping and fishing is improving as a result. Worms, nightcrawlers, garlic marshmallows and cheese baits are bringing the best results.

## Trout plants continuing in streams

Barring adverse weather, water or road conditions, the following lakes and streams, listed by county, will be restocked this week with catchable-size rainbow trout from Department of Fish and Game hatcheries:

**San Bernardino** — Green Valley Lake, Santa Ana River, Santa Ana River (South Fork).

**Kern** — Kern River (Democrat Dam to KR1 Powerhouse, Borell Powerhouse to Democrat Dam, Isabella Dam to Borell Powerhouse, KR3 Powerhouse to Lake Isabella).

**Tulare** — Bone Creek, Dry Meadow Creek, Kern River (South Fork), Kern River (Fairview Dam to KR3 Powerhouse, Johnsondale Bridge to Fairview Dam), Nobe Young Creek, Peppermint Creek (Upper and Lower), South Creek, Tule River (Middle Fork, North and South Forks of Main Fork, Cedar Slope area).

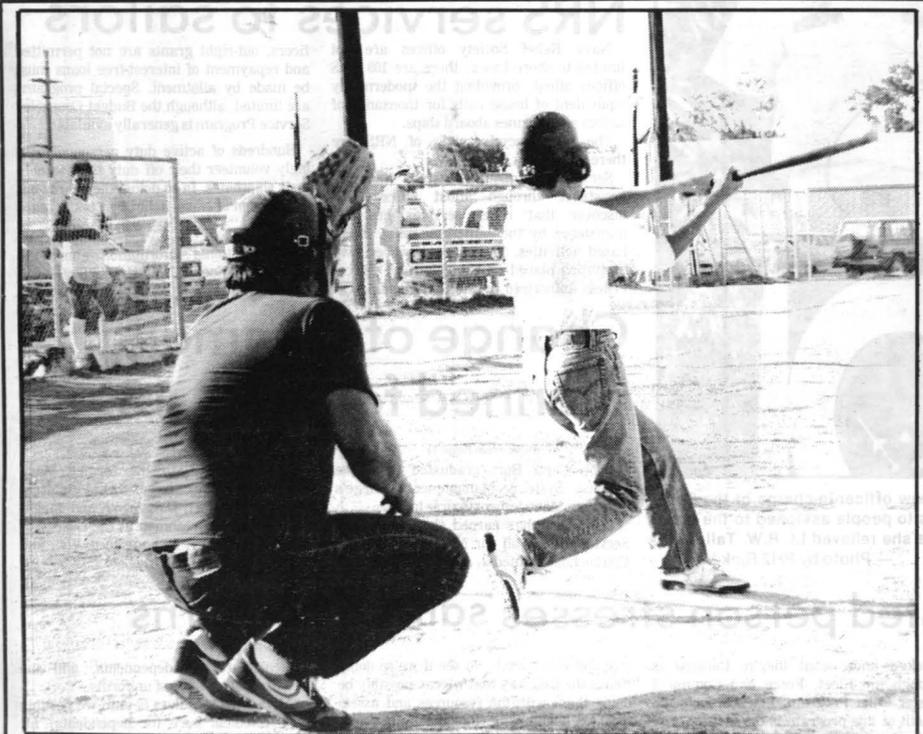
**Madera** — San Joaquin River (Middle Fork), Sotcher Lake, Starkweather Lake.

**Alpine** — Blue Lakes (Upper and Lower).

**Inyo** — Baker Creek, Big Pine Creek, Bishop Creek (Lower, Middle, South and Intake II), Georges Creek, Independence Creek, Lake Sabrina, Lone Pine Creek, North Lake, Rock Creek (Rock Creek Lake to the end of the road), Rock Creek Lake, Shepherds Creek, Taboose Creek, Tinemaha Creek, Tuttle Creek.

**Mono** — Bridgeport Reservoir, Buckeye Creek, Convict Creek, Convict Lake, Deadman Creek, Ellery Lake, George Lake, Glass Creek, Grant Lake, Green Creek, Gull Lake, Hilton Creek, June Lake, Lee Vining Creek, Lee Vining Creek (South Fork), Little Walker River, Lundy Lake, Mamie Lake, Mammoth Creek, Mary Lake, McGee Creek, Mill Creek, Owens River (Benton Crossing and Big Springs), Reverse Creek, Robinson Creek, Rock Creek (Paradise Camp to Tom's Place), Tom's Place upstream to Rock Creek Lake, Rush Creek, Saddlebag Creek, Saddlebag Lake, Sherwin Creek, Silver Lake, Swauger Creek, Tioga Lake, Trumbull Lake, Twin Lakes Bridgeport (Upper and Lower), Twin Lakes Mammoth, Virginia Creek (Upper and Lower), Virginia Lakes (Upper and Lower), Walker River (Chris Flat Campground to town of Walker, Leavitt Meadows Campground to Sonora Bridge).

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**LITTLE LEAGUE** — China Lake Little Leaguers Tournament last week, bowling to Ridgecrest Little League in the Championship encounter.

## Tennis Club slates August tournament

Members of the China Lake Tennis Club have scheduled their Hot August Night Fun Tournament and Party for Saturday, August 2 at the China Lake tennis courts.

Club members and anyone interested in joining the club are invited to the fun event.

There is a Wednesday, July 30 entry deadline for the tournament. It is billed as a night of fun tennis and merriment.

Newcomers who haven't entered a tournament are urged to consider taking part in this one.

Action begins at 5 p.m. Following tennis action, participants and spectators can join for a pot luck dinner with swimming as a way to cool off after the competition.

Entry forms are available at the NWC tennis courts in back of the Center gym.

## Fire season brings forest restrictions

Summer weather has forced the Forest Service to impose Stage I Fire Restrictions on the Sequoia and Sierra National Forests, including areas near Kernville and Kennedy Meadows.

These restrictions prohibit building a campfire or stove fire outside of developed

recreation sites. Smoking, except within an enclosed vehicle, building or at a developed recreation site is also banned under these rules.

Woodcutters can continue to cut wood under their permits, but should contact Forest Service offices before cutting since

it may be limited or banned in some areas based on daily weather conditions.

Forest officials regret any inconvenience to visitors, but said most resources will remain available for use and enjoyment of visitors.

## It's legal to hunt for cottontails now

Cottontail season started on July 1 and promises to be the best in many years. Lots of the bunnies are bounding around the desert.

Department of Fish and Game personnel

recommended that anyone shooting cottontails be careful when skinning them — they do carry fleas and ticks that can carry disease. They also say that if the rabbit's

liver looks pink and healthy, the rabbit probably be good eating, but if the liver looks yellowish, the carcass should probably be discarded.



## The Skipper Sez...

### QUESTION

The dumpster emptying truck is bashing and banging and crashing around my house at 5:58 in the morning and I would still like to be sleeping. I would sure appreciate if that would stop. Thank you.

### ANSWER

At the Government's request, the Solid Wastes Collection and Disposal Services being provided by the Facilities Support Services Contractor are being performed after 0730 hours in all the housing areas.

Unfortunately, your problem seems to be that of residing in close proximity to one of the "industrial" areas on Center and/or the need for the timely collection of "wet" garbage from our food preparation facilities. So you can get another hour of sleep and ignore the old adage that the early bird gets the worm, trash collections at the CPO Club, Galley and Old Dispensary have been rescheduled after 0700 hours since these are the areas where early collections might be disturbing to tenants in the housing areas.

### QUESTION

Military -- Yes, Capt. Patterson, how are you doing? I would like to get some information on why the base gas station doesn't drop its prices. Other stations in San Diego and up north in Frisco have lowered their prices. This seems to be the only base still running high. In fact, we can even beat some of the prices in town. Thank you very much.

### ANSWER

Your questions is a good one. In spite of lowering prices seven cents per gallon between March 1 and April 1, the NEX was still charging about ten cents more per gallon than the NEX's in San Diego and Long Beach. This amount of price difference has been fairly standard regardless of price levels without an obvious or short explanation. It's time to try.

Two factors affect price differences between military installations: difference in prices the suppliers pay at fuel terminals and price of transportation.

NEX fuel contracts call for the supplier to provide gasoline at a percentage discount from the "going market rate" at the terminal which the supplier uses. Gas prices vary among terminals according to daily market (supply/demand) conditions at each location. Because of our location, the supplier who offered the best discount for China Lake uses a different terminal than is used for either Long Beach or San Diego. If the same terminal was used, our gas cost would be less; but the transportation cost would be higher.

Under the current contract, our supplier's price plus transportation charges add approximately eight cents to the cost of gasoline here in China Lake. All other bidders would have charged more. In addition, our lower volume of business to cover "fixed costs" like the cashier and pump maintenance, adds another two to four cents (depending on volume of sales and maintenance costs) to prices we must charge compared to higher volume exchanges. Thus, under current conditions, our cost will be approximately ten cents per gallon higher than exchanges better located to supplies and with a higher volume of business.

Of course, no matter what the cost is, we are supposed to be following the gasoline pricing policy set by the Navy Resale System Support Office (NAVRESSO) which requires all Navy gas stations to set prices only slightly below average prices at local commercial stations. If, as occurred earlier this spring, following that policy results in "excessive" profits, we will lower prices to a more reasonable markup without consideration of local gasoline prices. It's worth at least ten cents a gallon to live at China Lake.

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. J. W. Patterson. 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 a limited number of questions can appear 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. There is no intent that this column be used to subvert normal, established chain of command channels.

## Massive search proves futile for CLMRG crew

On July 16, Marcel Sommeria, 62, told friends he was going on a day hike. He was planning to hike from Onion Valley, out of Independence, to Kearsarge Pass and then return to Ridgecrest in time for dinner. When he did not return, his absence was reported to the Inyo County Sheriff and forest service personnel. As of this Wednesday, Sommeria remains missing.

Inyo County Search and Rescue and forest service personnel did a hasty search of the trail leading to Kearsarge Pass on Thursday afternoon with no luck and then called the China Lake Mountain Rescue Group (CLMRG) for assistance on Thursday evening. CLMRG responded with four teams that were in the field searching for the missing hiker by 7:30 Friday morning.

The operations leader for the CLMRG was Linda Finco and the first team consisted of Andy Mitchell, Loren Castro and team leader Bob Huey. The second team, lead by Bart Hine, included Randy Walker and Bill Martin. Tom Sakai headed the third team made up of himself, Larry Ingle and Howard Derrickson. The fourth team was headed by Larry Gleason and included Dan Harris and Alan Jones.

Friday morning they were put into the field to check all major trails and drainages out of Onion Valley. Don Brubaker, Shannon Harris and Lloyd Brubaker also went with the CLMRG teams. In addition to the four CLMRG teams, the Inyo County Search and Rescue Team fielded six members and three dog teams were furnished by CARDAs. The teams spent Friday searching the Kearsarge Pass Trail and nearby lakes, the Golden Trout Lake Trail and lakes, the Robinson Lake Trail and vicinity and the Bullfrog Lake and Kearsarge Lake area. By Friday evening, there were still no clues

and a Mountain Rescue Association (MRA) regional callout was initiated to California Region MRA teams. Personnel from the MRA teams who responded were sent to the field Saturday morning. Friday evening, some CLMRG personnel returned home and Tom Stogsdill, Ken Amster, Bob Sinclair, Dave Silverman and Frank Buf-fem joined CLMRG in the search for Sommeria.

Saturday a more thorough search was made along the Kearsarge Pass trail and the nearby lakes. The search was extended out to the Vidette Meadow and Center Basin areas.

The National Park Service helped with the search by interviewing hikers and climbers in the back country and searching for Sommeria. No clues to the missing hiker's whereabouts were discovered on Saturday and everyone continued to search for him on Sunday. Teams continued to search some areas that had already been searched and other teams concentrated on all slopes leading out of Onion Valley and heading into the back country.

At 3:15 Sunday afternoon the search was called off and the forest service helicopter shuttled teams out of the field.

Taking part in the search were 10 MRA teams, three CARDAs teams and the National Park Service and the CHP helicopters. In all, 69 people searched for Sommeria to no avail.

MRA teams involved in the search were Atladena Mountain Rescue Team, the Bay Area Mountain Rescue Unit, Joshua Tree National Monument Search and Rescue, June Lake Mountain Rescue Team, Malibu Search and Rescue Team, San Diego Mountain Rescue Team, San Dimas Rescue Team and the Sierra Madre Search and Rescue Team.

## Contract bringing FOTS closer to realization here

Completion of a Fiber Optic Trunk System (FOTS) became closer earlier this year when the Naval Weapons Center inked a contract with AT&T Federal Systems Group to furnish and install a fiber optic

trunk system linking major population and computer centers at NWC.

Clint Seal, head of the Information Systems Group's Communications Development Branch, said the FOTS will provide increase in digital data communications speed, capacity, reliability and at the same time decrease the probability of interception.

When completed, FOTS will also provide a bidirectional, full motion, full color video channel capability to the population centers — Armitage Field, Range Control Center, ARL, Thompson Lab, Warhead Building, T-Pad, Earth and Planetary Sciences Building, SNORT, China Lake Propulsion Lab, Salt Wells, CT Area, Skytop, Echo Range — as well as the main base area.

Cable installation is expected to begin late this year and be completed by May of 1987. Seal expects the system should be available for use in July of next year as the hubs, nodes and interface equipment are installed.

This contract award is the result of close cooperation between Public Works and Supply Departments and the Information Systems Group. It represents several years of effort on the part of many individuals and groups within the responsible departments.



**FOTS CONTRACT** — It took a team effort to award a contract for Fiber Optic Trunk System (FOTS) work at the Naval Weapons Center. Among the personnel involved in the contract award were (from left): Ron Sockwell, AT&T program manager; Bob Day, AT&T

contract specialist; Jim Harris, AT&T senior design engineer; Harvey Lackey, AT&T account representative; Ed Scullin, NWC project engineer; Masaru Tokuyama, Code 2503 contracting officer; and Pamela Thompson, Code 25246 contracting officer.

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# 'Super-smart' bomb has NWC background

Since 1958 when Dave Livingston, Bill Woodworth, Jack Crawford and George Lewis decided to research the concept of the television-guided air-to-surface weapon, the Naval Weapons Center has been involved in the Walleye Missile program.

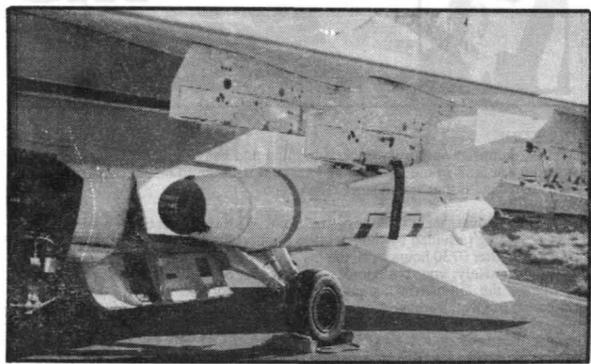
Such an idea wasn't new even in 1958; there had been a 1934 patent for a television-guided weapon. That patent, along with other attempts were not successfully carried to completion.

The Walleye modular weapon is an air-to-surface glide weapon designed for use against large targets such as bridges, ships and buildings. The electro-optic guidance of what Max Smith, a one-time Walleye program manager, called a "super-smart" bomb, allows a pilot who has launched the weapon to deliver a 2,000 pound warhead with pin-point precision.

The television camera in the nose of the weapon allows a pilot to monitor the weapon's movement. Once locked on target by the pilot, the Walleye guides itself home. Since the aircraft does not have to follow the Walleye after launch it is less vulnerable to anti-aircraft fire.

A super smart bomb such as Walleye cannot be fooled by such things as shadows, smoke or steam as it homes in on the target. The Walleye II also offers hand-tracking where the pilot in the command aircraft continues remote guidance, allowing the weapon to be used against moving targets such as trians or ships.

Walleye I was the first smart air-to-surface weapon used by the fleet and was introduced into combat in Southeast Asia in 1967.



## Special cruise for three from NWC

Two Navy vehicles suffered minor damage in a traffic collision last Thursday when a van backed into a sedan.

CLPD officers investigated a report of a petty theft; a gas can was taken from the corner of Lauritsen lab.

A bicycle was reported stolen from in front of the NWC Gym last Thursday afternoon.

Officers warned and advised a juvenile about playing with fire when he was found to be burning a small bush in the back yard of a Center residence.

One driver lost control of her vehicle and struck two parked vehicles in the Michelson Lab parking lot.

A bicycle was turned in to the CLPD lobby by a man who said he had found it. The bike is in the CLPD compound for safe keeping.

Officers making a traffic stop on Blandy Avenue discovered the driver was under the influence of alcohol. The driver was arrested, held for five hours and cited into court.

The windshield of a vehicle was damaged by rocks kicked up by another car traveling on Randsburg Wash Road.

CLPD officers investigated a report of vandalism at BEQ Three, where a window was broken.

Following a Command authorized vehicle inspection, a military member was arrested for carrying a concealed weapon in the vehicle.

CLPD officers responding to a peace disturbance call recognized an individual wanted for outstanding warrants and for being AWOL from the Navy. The military person was arrested and placed in jail.

Two Center residents were arrested on outstanding warrants from East Kern Municipal Court and booked into the Ridgecrest jail.

Two youngsters missing from their home on-Center were found and returned home with assistance from CLPD officers.

It was not exactly a pleasure cruise Jeff Mattick, of the Weapons Control Branch in the Weapons Department's Weapon Synthesis Division, had in mind when he invited Claude Brown, his branch head, and Carl Finch to join him on a day-long cruise out of Long Beach. It was, in fact, an invitation from a Naval Reservist, Mattick, to his employers, Brown and Finch, to take part in a "Support for the Guard and Reserve" cruise to show 34 employer guests how the employee/reservists spend their time away from the job. Mattick, a Fire Control Chief (FCC) in the reserves, spends weekends aboard the USS Duncan, a guided missile frigate, able to locate, track and identify contact on, beneath or above the surface. During the special cruise Brown and Finch were able to get a firsthand look at a number of shipboard evolutions, as well as obtain briefings about the ship's mission and the vital role the Duncan — and her crew — plays in the defense of our nation.

"The Navy is becoming more dependent upon the reservists to man high-technology ships, and the demands upon these reservists also require a supportive employer," said Cdr. Richard Branum, the Duncan's commanding officer. "In return the Navy will give the employer a better-trained and more motivated employee," he added.

While on board, employers saw where the crew of the Duncan — 37 percent of them reservists — work, eat and sleep. They observed an antisubmarine helicopter takeoff and land, a simulated missile firing, the man overboard drill and the working of the combat information center. They also had demonstrations of navigation and piloting the ship.

Mattick, a 22-year reserve veteran, went back to sea duty aboard the Duncan early this year after having been attached to NWC Reserve Unit 0176 for a period of time.

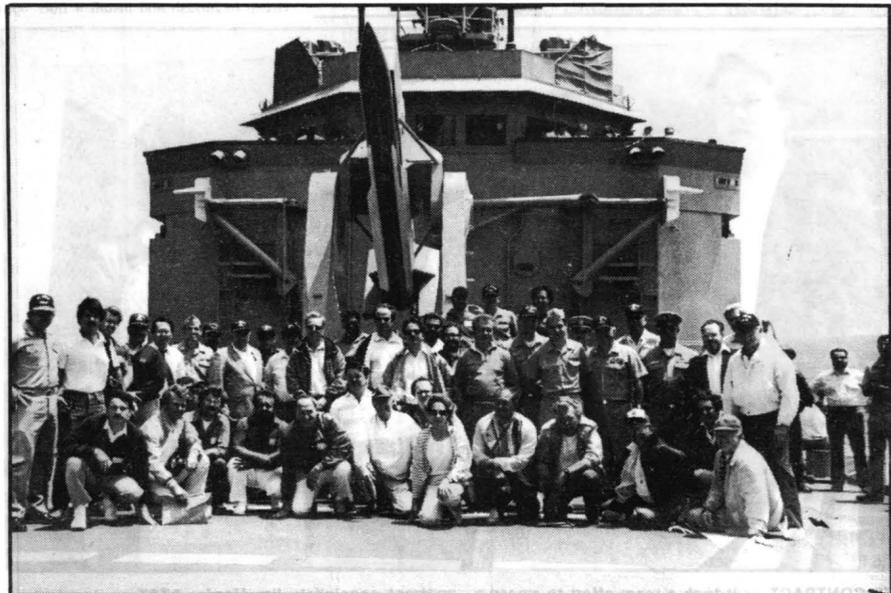
The Duncan, homeported at the Long Beach Naval Station as part of a squadron

of various types of Naval Reserve Forces ships, is designed to protect military and merchant convoys and task groups from submarine, surface and air threats. She boasts a crew of 187 enlisted personnel and 15 officers.

"The ship's capabilities are awesome, primarily because of the commitment and professionalism of our skilled reservists," said Cdr. Branum.

The ship's CO noted many skills needed aboard the Duncan lend themselves to the civilian workplace, including more than just specific job skills. He noted service on board the ship includes responsibility and leadership, but most of all, service to country.

"It's important that employers appreciate the time, skills and needs associated with being a reservist," said Cdr. Branum. "We need employers to support our efforts in the Navy because the Naval Reservists are an integral part of the Naval Reserve Force Program," he added.



**SPECIAL CRUISE** — FCC Jeff Mattick, a full-time NWC employee in the Weapons Department, brought Claude Brown and Carl Finch on board the USS Duncan for a special day-long indoctrination cruise designed to better acquaint employers with what their Naval Reservist employees do after they leave work on Friday nights.

# New OIC takes over at China Lake PSD unit

Lt. j.g. Arlene Thompson has relieved Lt. Ron Tallman as Officer-in-Charge (OIC) of the Personnel Support Detachment at China Lake.

From February of 1985 until early this month, Lt. Thompson was administrative officer for the Personnel Support Activity, Long Beach. She had been the legal officer prior to that.

A veteran of 14-years active duty in the

Navy, including prior enlisted service, Lt. Thompson is a native of Blytheville, Ark. She earned her college degree from the University of Maryland while on active duty.

PSD at China Lake includes 15 military and nine civilian personnel. They take care of all personnel, pay and travel functions for military members and travel needs of the civilians at China Lake. They maintain

records, noted Lt. Thompson, on about 960 military personnel.

"I think we have a great bunch of people here and I hope to continue doing what we do best," commented the new OIC.

Lt. Thompson was no stranger to China Lake, or the desert, when she took this assignment. She had been part of inspection teams from Long Beach on at least two occasions and had visited the area on

weekends.

She noted the small town atmosphere in the Indian Wells Valley was much like that of her Arkansas home. She enjoys the desert, the mountains and hopes to get to know the area much better during her tour of duty with PSD.

Lt. Thompson is from a Navy family and enjoys the military service she has chosen as a career.



## Military News

### Offices afloat providing NRS services to sailors

Navy Relief Society offices are not limited to shore bases; there are 108 NRS offices afloat, providing the modern day equivalent of house calls for thousands of sailors and marines aboard ships.

The emergency services of NRS are there, just a deck away.

Service members seeking financial assistance through afloat offices will discover that relief services are administered by the same governing shore-based activities. There are, however, two limitations placed on the Shipboard Office. Unless authorized by the Commanding Of-

ficers, out-right grants are not permitted and repayment of interest-free loans must be made by allotment. Special programs are limited, although the Budget Counselor Service Program is generally available.

Hundreds of active duty personnel willingly volunteer their off duty time to help their shipmates. In so doing, they carry out the mission of Navy Relief by "taking care of our own."

For additional information about the Navy Relief Society, call the NRS office at 446-4746.

### Change of command planned for Aug. 13...

(Continued from Page 1)

School, Capt. Burt graduated from the Defense Systems Management College's Program Management Course in 1977.

Capt. Burt has earned the Meritorious Service Medal, an Air Medal and a Navy Commendation medal, as well as other unit

and individual awards.

He is married to the former Mary Mechesney. They have three children, Private John Burt, U.S. Army, and daughters Heather, a freshman at the College of William and Mary, Williamsburg, Vir.; and Kathryn, a junior in high school.



**NEW OIC** — Lt. j.g. Arlene Thompson, new officer-in-charge of the Personnel Services Detachment (PSD), talks to people assigned to the unit following the change of command where she relieved Lt. R.W. Tallman, while PNC D.C. Huntsman looks on. — Photo by PH2 Rick Moore

### Navy's top enlisted person stresses sailors' concerns

Washington (NES) — Although RCMC (SW) William H. Plackett is stationed in Washington, D.C.; this highest enlisted person in the Navy — Master Chief Petty Officer of the Navy — knows the concerns of sailors and is working for their best interests.

There are a variety of ways the three-star master chief finds out what's on enlisted people's minds. But the most effective way for enlisted people to let

Plackett know what they're thinking is through the Fleet, Force and Command Master Chief Program. Plackett feels the benefit of this program is the fact that the chain of command at all levels is now much better appraised of how their people feel.

While policies and programs are reviewed on a regular basis, Plackett said he's been impressed by what he called "an initiative to innovate" — to take a program apart and to look at it from every perspec-

tive and every angle, to see if we're doing things the best way that we can possibly be doing them with the resources and assets that we have. While this means it sometimes takes the Navy longer to solve a problem, the solution then becomes better for the greatest number.

For example, Plackett said the top concern he hears from the enlisted force are about housing shortages, military

medical care for dependents, and the ever-present question of uniforms.

"My advice to sailors is until we get this thing (medical care for dependents) all sorted out, everyone should seriously consider looking at some form of supplementary health insurance coverage to offset that difference in the cost of medical care and what CHAMPUS will pay," Plackett said. "In other words, something to insure your deductable."

### Frocking ceremony for 30 Naval Weapons Center sailors

Twice a year enlisted personnel who have been selected for promotion go through a frocking ceremony, entitling them to wear the next highest rate. This summer that happy day came last Wednesday for 30 sailors assigned to the Naval Weapons Center.

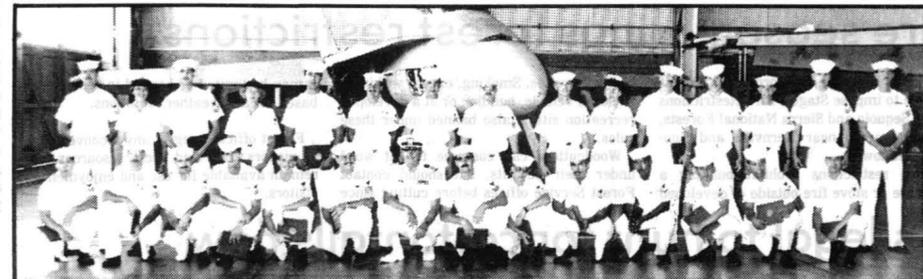
Frocking is a process whereby Navy personnel receive all the rights and privileges for the next higher rank without receiving a raise in pay. Frocking is implemented when the individual has been selected for promotion, but has to wait for a promotion date.

Those sailors frocked in ceremonies on July 16 included: AMH1 William H. Smith, AO3 James Stumpf, MS3 Jodi Triplett, AT3 Chris Whelan, AO3 Perry Wilson, AO3 Jay Bottoroff, MS3 Ecobiza, AZ3 Margaret Hilton, AO1 Whitfield, AQ2 Earl Applegate, AMS3 Abraham Bonilla, AMS3 Anthony Hall, AO3 Morgan Hasley, AT3 Larry J. Hemmert and PR2 Kenneth Klapak.

Also, ASE2 Gregory Allen, AMS2 Gary Cooper, AK3 Benjamin Degoina, AE3 Deronda Dunnam, AMH2 Herald Hatcher,

AO3 Harold Jimenez, AH3 Jamie Maxwell, ABH3 Michael Nelson, RM3 Joseph E. Pozzi, RP2 Walter Quan, AQ3 John Ressue,

AT2 Dale Smith, AMS1 Terrence Taylor, AMH2 Dennis Traxler and AMS3 Charles True were frocked on July 16.



**FROCKING** — Thirty sailors at the Naval Weapons Center were frocked to the next highest rate during ceremonies last week inside Hangar Three at Armitage Field. Capt. K.E. Allen, Commanding Officer of Center, did the honors at the semi-annual ceremony.