

Barbershop Quartet Song Program Set

The Indian Wells Valley Chapter of the Society for the Preservation and Encouragement of Barbershop Quartet Singing in America, Inc., (SPEBSQSA) will present an evening of barbershop quartet harmonizing on Friday and Saturday, Sept. 29 and 30, in the Burroughs Lecture Center at 8:15 p.m.

Admission is \$2 for all except students and military personnel who may get in for only \$1.

Theme of the show is "Americana." Two outstanding barbershop groups from out of town will entertain at the show. They are the Thermal-Aires, from Bakersfield, and the Beaver Inn Four, a comedy quartet from Whittier, Calif.

Also on tap will be the IWV SPEBSQSA chorus, directed by Lyman VanBuskirk and the Medallions, a local quartet.

Door prizes will be given away each evening.

All proceeds from the program will be used to support the Institute of Logopedics, in Wichita, Kans. This institute has a continuing program of rehabilitating children and grownups who have speech impediments.

Tickets can be obtained at the Gift Mart in Ridgecrest, from local barbershop songsters, or at the door of the Lecture Center on the nights of the show.

Lecture-Film About Undersea Habitat Slated

An illustrated lecture on life 50 ft. under the surface of the ocean will be presented at 7:30 p.m. Tuesday at the Burroughs High School Lecture Center.

The speaker will be Dr. Sylvia Mead, whose various titles include that of associate in botany at the Los Angeles County Museum of Natural History. She spent two weeks as a member of a five-woman crew aboard the Tekitte II—an undersea habitat that was lowered below the surface of the Caribbean Sea off St. John Island in the Virgin Islands.

Arrangements for bringing Dr. Mead here to present a lecture and film entitled "Two Weeks on the Ocean Floor" were made by the Maturango Museum, the sponsor of Tuesday night's program.

Tickets, priced at \$2 per person, can be purchased at the museum or ordered by calling George Silberberg, at 446-5007.

WACOM Plans NWC Bus Tour

Arrangements have been made for the annual WACOM bus tour of the Naval Weapons Center, which is scheduled next Wednesday morning, Sept. 27.

Buses will leave the Officers' Club promptly at 8:30 a.m. Those taking the tour are asked to park their cars in the swimming pool parking lot.

A no host luncheon will follow the tour. Reservations or cancellations for the tour and luncheon can be made with Doe Keihner, phone 375-7119, no later than Monday.

Babysitting will be available in the Chapel Annex. Those mothers who will be staying for the luncheon are asked to bring a sack lunch for their child.



"POP CONCERT" HELD—The Desert Community Orchestra Association presented its annual "Pop Concert" last Saturday night on the lawn of the All Faith Chapel, attended by approximately 500 persons. A youthful concert lover seems about to take over the conductor's stand from Charles Wood in this photo, evidently enthralled by the selections played by the orchestra and special music groups, including a Dixieland band, headed by Ken Robinson, and a solo performance by Al Hammer in a quintette for clarinet. The free concert was underwritten by the Music Performance Trust Funds.

Nominees Sought To Fill Vacancies On China Lake Community Council

Nominations are now being sought by the China Lake Community Council from persons interested in filling two precinct representative vacancies for the remainder of this year.

The two posts now vacant are those of representative for combined precincts 3-7 and 5-8. The boundaries of these precincts are shown on a map to be found on the inside cover of the Center

telephone directory.

Anyone 18 years of age or over who resides within the areas included in the above precincts is eligible for nomination. Those interested in being considered for election to the Community Council should contact Marion Carter by calling NWC ext. 3575 or Gene Baker, NWC ext. 3821.

All such nominations are due on or before the next meeting of the China Lake Community Council,

which is scheduled at 7:30 p.m. on Tuesday, Oct. 10, at the Community Center.

All nominees for the two vacancies are asked to be present at the Oct. 10 meeting when the decision on who is to be chosen to serve will be made.

Opportunities...

(Continued from Page 2)

small parts. Understanding of solid state circuitry. Minimum Qualification Requirements: Two years of general and three years of specialized experience as defined in the X-118.

Technical Manuals and Specifications Writer, GS-1083-9 PD No. 7250087, Code 5072—Prepares and issues official weapons specifications, air specifications and manuals such as handling and maintenance manuals, manufacturing data, manufacturer's inspection procedures, etc. for the use of Government inspectors, manufacturers, and/or the armed services. Job Relevant Criteria: Working knowledge of manufacturing processes and test procedures common to fuse component manufacture. Knowledge of Navy documentation procedures. Ability to communicate effectively with engineering personnel. Ability to express engineering terms accurately in writing. Minimum Qualification Requirements: Three years of general and two years of specialized experience as defined in the X-118.

File applications for above with Pat Gault, Bldg. 24, Rm. 202, Ph. 2722. Secretary (Typing), GS-318-4, Code 12—This position is that of program director secretary (typing) in the Weapons Planning Group. Duties include preparation of travel orders and itineraries, timekeeping, scheduling of conferences, originating replies on routine matters, screening incoming information in order that proper person(s) are notified, typing reports, and performing other clerical and secretarial duties as necessary. Minimum Qualification Requirements: GS-4, one year general and one year specialized. Job Relevant Criteria: Must have ability to review reports for spelling, punctuation and grammar and be able to make simple corrections, to refer serious errors back to writer. Advancement Potential: GS-5 level.

File applications for above with Mary Morrison, Code 657, Bldg. 34, Rm. 210, Ph. 2032. Engineering Technician, GS-802-5, PD No. 7255123, Code 5532 — Incumbent responsible for the fabrication, both electronic and mechanical, of test panels to be used in checking avionics systems and sub-systems. Includes but not limited to assembly of electronic circuits, compilation of parts lists, fabrication of test cables and associated mechanical hardware. Minimum Qualification Requirements: Outlined in X-118. Job Relevant Criteria: Ability to utilize practical knowledge of electronic theory and principles of math. Working knowledge of electrical and electronic symbols, machining and assembly techniques. File application for above with Joan MacIntosh, Code 657, Ph. 2371.

Flu Shots, TB Tests To Be Given Military Men, Civilian Employees

Shots to protect against influenza and tuberculosis skin test injections will be administered next week to NWC military personnel and dependents and civilian employees.

Immunization against influenza and TB skin tests are mandatory each year for all active duty military personnel.

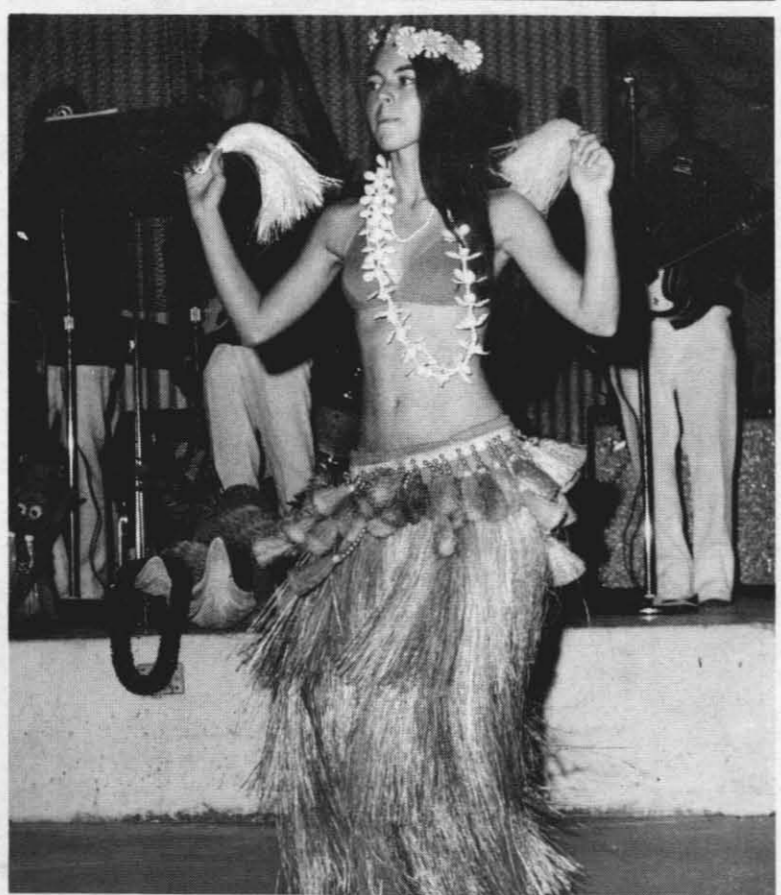
Such protection also is offered to military dependents on a voluntary basis, as well as to Civil Service employees at China Lake (but not their dependents) without charge. The schedule for administering

influenza and TB skin test injections is as follows:

NWC military personnel—Monday, Sept. 25, 8 a.m. to 4 p.m. at the Dispensary.

Military dependents and school children of military personnel—Tuesday, Sept. 26, 8 a.m. to 4 p.m. at the Dispensary.

NWC civilian employees—Friday, Sept. 29, 8 a.m. to 4 p.m. at the Dispensary, and Monday, Oct. 2, 8 to 11:30 a.m. and 12:30 to 4:30 p.m. at the Michelson Lab and Salt Wells first aid stations.



SWING AND SWAY—the night away! That's what 166 revelers did at the annual Commissioned Officers' Mess luau held last Friday night. The menu featured roast suckling pig, salads and lots of liquid refreshments, and the entertainment was supplied by T & J Entertainment Center, Riverside. A highlight of the party's preparations was the floating, simulated volcano in the middle of the swimming pool. Dry ice was added to the pool to create a misty look. The luau took place on the patio, lanai and pool area of the Club.

SHOWBOAT

MOVIE RATINGS
The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.
(G) - ALL AGES ADMITTED
General Audiences
(PG) - ALL AGES ADMITTED
Parental Guidance Suggested
(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

FRI. 22 Sept.

"PRIME CUT" (87 Min.)
Lee Marvin, Gene Hackman
(Action drama) In the slaughterhouse of a large Kansas farm, Gregory Walcott, as "weenie," takes pleasure in delivering methodical blows with a sledge to the skulls of the cattle below. He works at the packing plant of "Mary Ann's Meats," the front for an underworld gang dealing in drugs and prostitution. (R)

NO SHORT SUBJECTS

SAT. 23 Sept.

"MATINEE"
"TARZAN'S DEADLY SILENCE" (95 Min.)
Ron Ely, Woody Strode
—EVENING—
"FUZZ" (93 Min.)

Burt Reynolds, Raquel Welch
(Comedy Drama) This is a story about the bumbling efforts of several plainclothesmen (most notably Burt Reynolds, Jack Weston and Tom Skerritt) to track down an extortionist (Yul Brynner) whose death threats against certain men in high office are made and fulfilled. (PG)

NO SHORT SUBJECTS

SUN. & MON. 24-25 Sept.

"LADY LIBERTY" (95 Min.)
Sophia Loren, William Devone
(Drama) Sophia Loren arrives from Italy to meet fiance Luigi Proietti in New York. At Kennedy International Airport, she's denied entrance because of a present for Proietti, a large mortadella (variously identified as salami, sausage or baloney). Pork can't be imported because of swine fever (PG)

NO SHORT SUBJECTS

TUES. & WED. 26-27 Sept.

"PICKUP ON 101" (93 Min.)
Leslie Ann Warren, Jack Albertson
(Melodrama) During a campus rock festival at her college, Leslie Ann Warren carrying her possessions in a duffel-bag sneaks out of her dorm and hitches south on Route 101. (PG)

THURS. & FRI. 28-29 Sept.

"SLAUGHTERHOUSE-FIVE" (113 Min.)
Michael Sacks, Ron Leibman
(Comedy Drama) Beginning, if that is the word, with a time-trip backwards to World War II and the frozen fields of Belgium, Slaughterhouse traces in its fragmented way the story of Billy Pilgrim's advance from POW chaplain's assistant to witness at the Allied firebombing of the open city of Dresden. (R)

Membership Luncheon Set Sat. by AAUW

A luncheon for prospective AAUW members that is expected to draw an attendance of some 60 persons will be held Saturday afternoon, starting at 1, at the home of Dr. and Mrs. Walter B. LaBerge, 510 Lexington Ave., China Lake.

A brief program during which officers of the China Lake branch of the American Association of University Women will be introduced and goals for the coming year will be outlined is to be presented following the luncheon. Women graduates of four year colleges and universities are invited to attend. Those planning to do so are asked to call either Mrs. Daniel Goss at 375-8249 or JoAnne Hellman, 375-5669.

From _____
TO _____
PLACE STAMP HERE

nwc rocketeer

Naval Weapons Center
China Lake
California

Vol. XXVII No. 38

Fellowships Awarded to 8 NWC Employees



Henry J. Eberhart Merritt D. Mullen Henry F. Blazek David A. Bennion



Delmar A. Dobberpuhl Edward E. Hindman II James H. Rose, Jr. Douglas J. Sticht

Advanced Study Provided In Professional Fields

Eight employees of the Naval Weapons Center will attend school this fall under Fellowship programs that were first begun in the early 1950s.

Six of these men have been awarded NWC Fellowships for advanced studies and two others will be working for their Master's degrees under USC Fellowships.

Recipients of the NWC Fellowships are David A. Bennion, Henry F. Blazek, Delmar A. Dobberpuhl, Edward E. Hindman II, James H. Rose, Jr., and Douglas J. Sticht. USC Fellowships went to Henry J. Eberhart and Merritt D. Mullen.

Selection of those receiving the Fellowships was made by the Education Committee for Ordnance Sciences (ECOS)—a group composed of representatives of various academic specialties and functional areas on Center. Its members are:

Dr. Marguerite M. Rogers, chairman; Herbert A. Bulgerin, William R. Hattabaugh, William F. Meggers, Richard W. Murphy, Dr. Arnold T. Nielsen, Dr. Merle E. Ross, Dr. Robert F. Rowntree and Dr. William Thielbahr, all of whom are voting members.

Three others serve as advisory members of ECOS. They are Dr. Robert Berry, Dr. Allen B. Gates and Bruce D. MacIntosh.

Enrollment Drop Means Loss Of China Lake School Funds

A dwindling enrollment (down 94 students under the number anticipated when the budget for the current school year was prepared) was reported by Dr. Sol Spears, district superintendent, at Monday night's meeting of the China Lake Elementary School District board of trustees.

In terms of the budget, Dr. Spears noted, this will mean approximately \$94,000 less income for the current school year.

While there is a sufficient amount in the district's reserve funds to cover this anticipated loss of income, there is another factor that complicates the matter of

financial support of China Lake schools, it was brought out at this week's school board meeting.

President Nixon's recent veto of a Department of Health, Education and Welfare bill eliminated federal funds for the operation of federally-impacted school districts.

At the present time, Grant Pinney, the China Lake School District's assistant superintendent for business, is in Washington meeting with Senators and Congressmen who are endeavoring to work out a compromise solution to the federal school funding bill.

(Continued on Page 3)

Natural Resources Management Program Covers Wide Scope

With the second annual observance of National Hunting and Fishing Day coming up tomorrow, it's timely to review a program of long standing which pertains to the management and conservation of wildlife resources within the boundaries of the Naval Weapons Center's 1712 square miles of desert lands.

A cooperative wildlife management agreement was executed in 1962 between the Commander, NWC; the Regional Director, Bureau of Sport Fisheries and Wildlife, and the Director of the California Department of Fish and Game.

About ten years ago a Conservation Board was established to recommend programs for wildlife management and preservation to the Station Commander. Last year this board was replaced by the Natural Resources Advisory Council to reflect the broad scope of NWC's total resources management programs.

The Council was established to serve in an advisory capacity to the NWC Public Works Officer, who is responsible for originating and implementing programs for natural resources management

consistent with the military mission of the Center.

The function of this Advisory Council is to review the progress of natural resources management programs and to assist with recommendations for planning of such programs. Current members of this Advisory Council are: Chairman, Cdr. J. L. Uhe, assistant Public Works Officer; Bernard Sword, business manager of the Indian Wells Valley Civil

Defense Council; Cdr. H. O. Brickson, Staff Judge Advocate; W. E. Davis, head of the Security Department; John DiPol, Associate Head of the Engineering Department for Range Operations; Bob Barling, Real Estate Coordinator in the Public Works Department.

Tilly Barling, Natural Resources Specialist, serves as the council's executive secretary in addition to

(Continued on Page 4)



LIVING HAPPILY in the seclusion of the Naval Weapons Center range area, the Mojave ground squirrel, which can be found here in plentiful numbers, doesn't realize he is a rare species of California rodent. These tiny animals feed on seeds from the four-wing salt bush and other seed-bearing desert plants. —Barling photo

Sept. 22, 1972

INSIDE...

- Vote Registration Stressed 2
- Military Takes Part in Parade ... 3
- Resource Management 4-5
- Smith Repeats as Golf Champ 6
- Concert Series Ticket Sale 7
- Barbershop Song Program Set ... 8

USC Fellowships

Henry J. Eberhart—A Master's degree in mechanical engineering (mechanical design specialization) is the goal of Eberhart, who is employed in the Mechanical and Aerodynamic Design Branch of the Weapons Development Department. An NWC employee since June 1966, when he came here following his graduation from UCLA with a BS degree in mechanical engineering, Eberhart was assigned for four years to the Condor Program office prior to being transferred recently to his present post. He and his wife, Linda, have one child—a daughter named Christina.

Merritt D. Mullen—An employee in the Guidance and Navigation Systems Branch of the Weapons Development Department, Mullen is seeking a Master's degree in electrical engineering (control systems specialty). He has been at China Lake since June 1970, when he was graduated with a BS degree in electrical engineering from Northrop Institute of Technology. Mullen and his wife, Yasuko, have two sons, Merritt David and John Patrick, and a daughter, Margaret Ann. The father, a Naval Reservist, is an aviator with a Naval Air Reserve Unit at Ft. Mugu.

David A. Bennion—Employed in the Budget Division of Central Staff, Bennion left here in early summer to pursue graduate studies in business administration at the University of Utah. A graduate of Brigham Young University, where he received both a Bachelor's degree in German and a Master's degree in public administration, Bennion has been

(Continued on Page 3)

Joggers, Hikers Allowed Access To 'B' Mountain

Hikers, joggers and those who just like walking will be permitted access to the west slope of "B" Mountain, according to the latest revision of NWC Instruction 5510.19A.

In addition, it is planned to install two foot stiles over the recently erected "barrier" fence so that this foot traffic will not have to crawl under or through the barbed wire.

The Instruction is being revised to provide greater clarification in several areas regarding the use of the NWC ranges for recreational purposes.

Included in the Instruction is the caution that no vehicles (bicycles, scooters, motorcycles, dune buggies, etc.) or horse riders will be allowed beyond the fence.

Other details covered include the information that certain areas on

(Continued on Page 4)



A "STITCH IN TIME" — Mary Vernon-Cole, left, and Teresa Orr choose fun fashions for fall to be modeled at the "Stitch in Time" fashion show...

Center Library Lists New Books

LIBRARY HOURS: Monday-Friday: 2-9 p.m. Saturday: 10 a.m. - 6 p.m. Sunday: 2-4 p.m. Readers are reminded that all employees, regardless of residence are most welcome to use the Center Library.

The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake Lake, California



DIVINE SERVICES

PROTESTANT 1015 Sunday Worship Service Sunday School—All Ages 0900 Wednesday Noon Bible Study 1130 Sunday School Classes are held in Chapel Annex 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant.



Don R. Yockey Editor Jack C. Lindsey Associate Editor Jeanne Schreiber Editorial Assistant

PH1 D. C. Wanderscheid, PH2 G. L. Taylor, PH3 D. W. Yeatts Staff Photographers

DEADLINES: News Stories Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m. The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified.

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2069.

Motor Vehicle Operator, WG-05703-5, J.D. No. 359, Code 2513—Drives straight-in-line trucks of not more than 7,000 pounds gross vehicle weight which are capable of carrying loads up to and including one ton.



ART LEAGUE TO MEET—Darwin Duncan, well known artist and lecturer from Garden Grove, Calif., will be the first guest speaker of the new season for the Desert Art League.

Johnny Horizon Contest To Begin

The Ridgecrest Improvement Committee will sponsor a bottle collection contest to select the 1972-73 Mr. and Miss Johnny Horizon, during the week of Sept. 25-Oct. 1.

Every Vote Counts, Make Sure You Are Registered

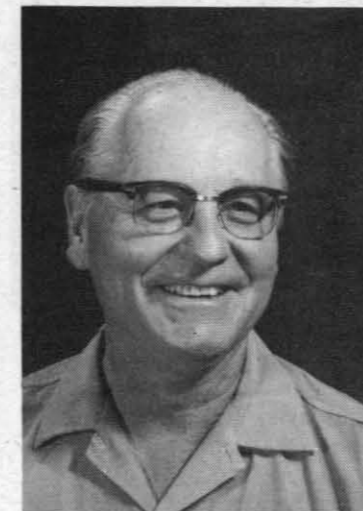
The process of electing public officials grants to them the power to conduct the nation's business and pass laws that affect every individual. That is why the vote of every U.S. citizen is so important to the overall democratic system of free government.

Be sure of the steps to be taken to register and vote in Nov. 7 General Election. Servicemen should use the following checklist to register and vote by the absentee voter process:

- CHECKLIST HAVE I REGISTERED — If not, contact your voting counselor. Then: Request a Federal Post Card Application (FPCA). Request information on your State's registration procedures. Follow instructions carefully—answer all questions. Print or typewrite. Be sure FPCA is authenticated by a commissioned officer (if required by your State).

Employee In The Spotlight

It took a while for Ottow Schneider to settle on a career. In fact, it wasn't until World War II ended that he finally decided on a career in Civil Service.



Ottow W. Schneider

Ottow was born and raised in Virginia, but came to California when he was 12 years old. Following his graduation from high school, Ottow worked as a butler, and was a partner in a car wash business.

He then attended the Frank Wiggins Trade School in Los Angeles (now known as the Los Angeles Trade Technical College), and following two years of study received a certificate of competence in the field of architecture.

His employment in the remaining pre-war years consisted of working as an air conditioning-heating-ventilation engineer and as a service station attendant.

Ottow had enlisted in the National Guard in 1932 and was a member of the National Guard's rifle team from 1935-36. In 1940 he reenlisted in the Guard and when the Japanese bombed Pearl Harbor he was on active duty, having been called up in March, 1941.

During his term of service he moved around and finally saw action in the Philippines close to the war's end.

Unusual Meeting While in the service, Ottow met his wife, Lois. "We were coming back from training in Washington by truck convoy, and some of us had decided to fill our empty shell casings with notes giving our names and addresses and asking that people write us," Ottow recalled.

"When we passed through Visalia I saw a couple of ladies standing by their home, so I threw a casing at them. One of them was Lois' aunt. Lois was living in Los Angeles at the time, but the aunt told her to write the lonely soldier, and she did. The result was, in August, 1942, we were married," he added.

After the war, Ottow held a couple of jobs and was working in Los Angeles when he heard about China Lake. He came here in May 1947 as an ordnancemen for Code 45. He was caught in the big RIP in 1955, but since has worked himself back up from ordnanceman again.

Since 1963 he has worked for the Explosives Branch of the Applied Research and Processing Division

in the Propulsion Development Department, designing tooling for loading warheads with high explosives and occasionally delving in industrial photography.

Ottow's knowledge of explosives, engineering know-how and attention to detail keeps the work moving with a minimum of confusion, duplication and re-invention of the wheel," says Paul Rivette, who is Ottow's direct superior. "This expertise in warhead loading is called upon frequently by members of Code 45 and many other persons, both on and off the Center," Rivette added.

Ottow's outside interests include rifle shooting and Scouting. In 1951, VFW Ship 4084 decided to sponsor a junior rifle club. Ottow and Pete Olson were given the task of putting the team together. However, Ottow was the driving factor in the club, and served for 21 years as chief instructor for the boys and girls.

He is a life member of the National Rifle Association and is also a certified rifle marksman-ship instructor, a hunter safety instructor, a home firearms safety instructor and a training counselor (who trains other instructors) for the NRA. In addition, Ottow is certified by the California Department of Fish and Game to instruct hunter safety courses.

Cited by DFG Last April, the DFG cited Ottow for meritorious service for conducting hunter safety programs since 1954, when the state first began the classes.

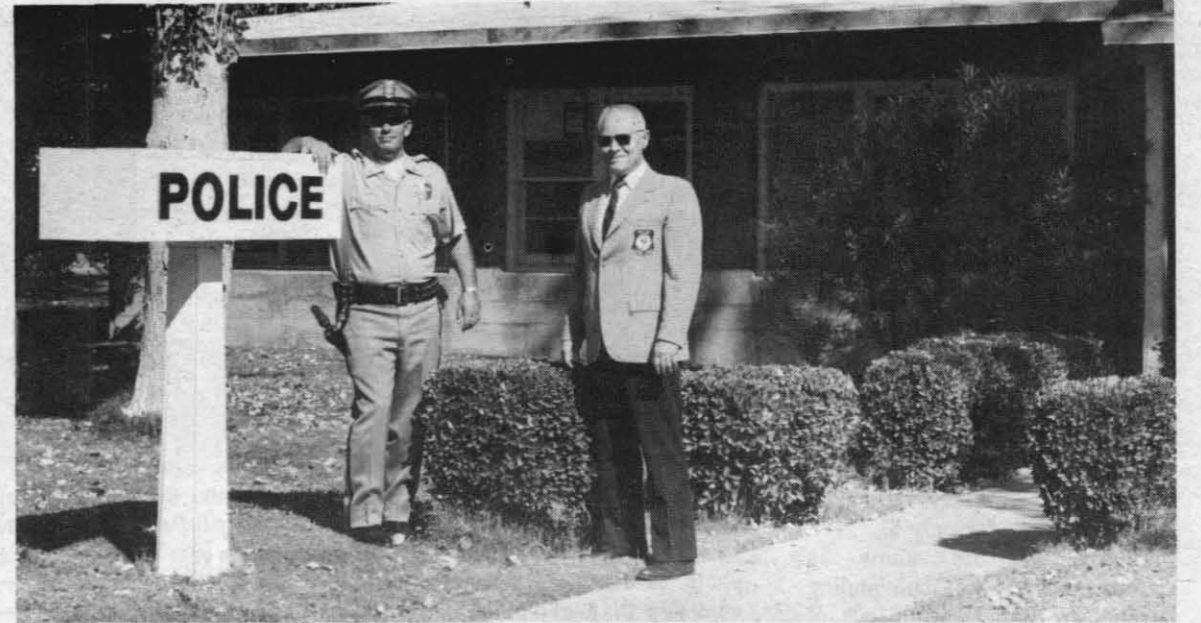
He has held office in the Sierra Desert Gun Club and six times has traveled to participate in the national rifle matches at Camp Perry, Ohio. Ottow is proud of the fact that he has trained two central Pacific States junior rifle champions—Robert Schmitt and his own son, Eric.

Schmitt also doubled as the national junior high power rifle champion. The Schneider's other son, Tony, is a warrant officer in the U.S. Army, presently stationed in Italy. Eric is now working as a chemist in Bakersfield.

Ottow and his wife, Lois, each received awards recently from the Boy Scouts for nearly 18 years of work with two different units, Cub Pack 291 and Boy Scout Troop 800.

Aetna Agent Due

Howard Keenan, the Aetna Insurance representative, will be at the Personnel Building Conference Room, Building No. 34, on Tuesday, from 9 a.m. until 4 p.m., and Wednesday, from 9 a.m. until 3 p.m.



NEW POLICE DIVISION LOCATION—Sgt. Dennis Crager (left), and C. A. L. Mitchell, assistant chief of police, point out the new location of the China Lake Police Division headquarters and the sign that marks the site.

Season Tickets on Sale for 1972-73 Programs of Civic Concert Association

Arnold T. Nielsen, president of the China Lake Civic Concert Association's board of directors, announced recently that season tickets sales for the 1972-73 season are lagging.

"Most people apparently are planning to wait until later to purchase their season tickets," Nielsen said. "However, I would recommend purchasing tickets early as the Concert Association has lined up an excellent program this year, and the best seats will go quickly," he added.

The first concert of the season is scheduled on Nov. 1, when Douglas Lawrence, a bass baritone under the management of S. Hurok, will delight China Lake audiences with his rich, powerful interpretations. Pinchas Zukerman, brilliant young violinist member of the famed Daniel Barenboim-Jaqueuine Du Pre-Zukerman trio, is scheduled to play here on Nov. 30.

On Tuesday, Jan. 30, 1973, the celebrated Vincent Price will bring "Three American Voices" to life on the local stage. Then on Wednesday, Feb. 21, a special bonus concert, featuring pianist Vladimir Pleshakov, backed by the Desert Community Orchestra under the direction of Charles Wood, will be held. The program will include Beethoven's first piano concerto. Pleshakov, who heads the Music Department at Bakersfield Col-

lege, is a celebrated conductor and musician. The fifth offering of the season will be the Jose Limon Dance Company, on Monday, March 12. The season will end on Thursday, April 5, when balladeer Nana Mouskouri and the Athenians will present a concert of old and new songs.

Table with Board of Directors: President Arnold T. Nielsen, Vice President Shirley Helmick, Secretary Ruth Dietrich, Treasurer Ted Hendershott, etc.

APPLICATION FOR MEMBERSHIP - CHINA LAKE CIVIC CONCERT ASSOCIATION. Includes fields for Name, Address, City, ZIP, and seating preferences.



HOW MANY ARE UNSAFE?—Bicycle safety inspection is scheduled from 9 to 11 a.m. on Saturday, at Murray, Vieweg, Pierce, Monroe, Las Flores and Inyokern Schools. Sponsored by the Optimist Club of Ridgecrest and China Lake, the program in observance of Bicycle Safety Week will include mechanical safety inspection of bicycles as well as cycling skill tests for third and fourth graders.



THIS WAS CRUCIAL SHOT—Max Smith, at the request of *The Rocketeer*, attempted to re-create the shot to the 18th green Saturday that enabled him to make a birdie four on the hole and send the match with Lloyd Klaus into extra holes. The shot in question occurred after Smith hit a 280-yd. drive that came to rest on the out-of-bounds line at the left side of the 18th fairway. After it was determined the ball was in-bounds, Smith then cracked a 250-yd. shot from an almost-impossible lie to the pin, stopping 20 ft. away. (During the photo session he couldn't come close to duplicating the feat.)
—Photo by PH2 G. L. Taylor

Max Smith Wins Third Consecutive Golf Club Championship Tournament

By Jack Lindsey
Max Smith won his third consecutive China Lake Golf Club championship this past weekend, defeating Lloyd Klaus on Saturday and Robert Moore on Sunday, both in extra holes.

It wasn't an easy victory. On Saturday, Smith was one hole down going into No. 17. His opponent, Klaus, a former champion himself (1963), teed off first and put his shot about 5 ft. from the cup. Smith, feeling tremendous pressure, put his ball inside that of his opponent about 4 ft. from the hole. Klaus putted first and made his birdie two. With the pressure on, Smith also made a birdie.

On the 18th tee, Klaus hit a super shot, right down the middle of the fairway about 260 yd. Smith psyched himself up and smacked a 280 yd. drive that hooked over toward the out of bounds markers on the left side of the fairway.

It was very close. Some say it was out of bounds, others said it wasn't. Klaus took a look at the ball and declared it in bounds after a slight discussion of the rules.

This next one was a critical shot for Smith—he had to defeat Klaus on this hole to stay alive. The ball was lying on hard pan (dirt) surrounded by small clumps of grass. The champion took a wood and hit a simply incredible shot, right at the flag 250 yd. away and stopped the ball about 20 ft. from the cup.

Klaus carded a par 5 on the hole, but Smith two-putted for a birdie and the two-some went back to Hole No. 1 for a sudden-death playoff, which Smith won with a par five after Klaus three-putted the hole.

On Sunday, Bob Moore, who had defeated Curt Bryan on Saturday, came out of the starting gate fast and charging. He birdied the first hole and parred the next two to go three-up on Smith. On the fourth

Burros Varsity To Open '72 Grid Season at Taft

A Burroughs High School varsity football team that has more speed and quickness than any similar aggregation in recent years will hit the road Saturday for its season opener against Taft High School.

Kick-off time for this non-league tilt against a team that will have a considerable advantage in size over the Burros will be 8 p.m.

Bruce Bernhardt, head coach of the Burros varsity, reports that he will be able to field a starting group that will include nine veterans on offense and another five or six on defense.

Leading the Burros this year at the key quarterback slot will be Mike Lillywhite, who has been chosen as one of the team co-captains along with Bill Gifford, who anchors the offensive line at guard.

The annual Women's Invitational Golf Tournament will be held at the China Lake Golf Club next Wednesday, Sept. 27.

Sixty-three invitations have been sent to various clubs throughout the Southern California area, urging them to be represented in the local tournament.

This will be a handicap event. The winners will receive gift certificates, redeemable at either the China Lake Golf Club or if the player wishes, at her own golf club pro shop.

The number of prizes awarded will vary according to the number of women who sign up for this event.

hole, Smith began a drive to get even. He took the next three holes to tie up the match.

The pair halved No. 7 and went to the 8th tee. Smith hit a very poor tee shot into the right rough, but recovered for a par. Moore put his tee shot in the sand trap on the left side of the green and exploded poorly. He took a four on the hole and Smith was on top for the first time in the match. They halved No. 9 and the champion made the turn, one-up.

Back Nine Exciting
The back nine proved to be even more exciting than the front. Smith took No. 10 with a par five and Moore charged back to take the 11th hole. They halved 12 and Smith took 13 to go two-up again.

On No. 14 Moore (who won this championship in 1959), sank a beautiful, curling 40 ft. putt for a birdie to pull within one hole of Smith. They played even on 15 and 16, but Moore took the 17th hole to even up the match and once again, Smith was faced with a nervous situation on the 18th hole as he pulled his tee shot into the left rough.

The defending champion missed his second shot, hitting a 120 yd. dribbler. His third shot found the sand trap by the green, and he had to make a good explosion shot as Moore was high and to the left on the par five hole, sitting three.

Smith came out of the trap with a great shot and sank the putt for a par. Moore's long putt lipped the cup and he also got a five.

Again it was back to the first tee for a sudden-death playoff. The pair halved No. 1, the 19th hole of the match-play tournament, and went on to No. 2. Both men hit their second shots onto the back side of the green—Moore just off and Smith about 15 ft. away. Moore's approach putt was long and it took him two more to get down, for a

bogey five. Smith two-putted and the tournament was over.

Both men gave a good accounting of themselves. They were evenly matched and either one could have beaten the other on a given day. Smith, well known as a charger, and Moore, whose putting touch left him when he needed it the most, gave the spectators a show they will remember for some time.

In the other three flights of the China Lake Golf Club championship, Bob Hooper emerged the victor in a one-hole, sudden-death playoff over Pete Rice, who three-putted the extra hole after Hooper sank a long 30-ft. putt for a par.

Win Johnson defeated Ray Marsh for the trophy in the second flight and Jim Bradberry knocked over Bill Sherlock for the third flight crown.



Forrest Thomas Leads Parade Of Bowling Scorers

Forrest Thomas, bowling in the Desert League for Station Pharmacy, turned in games of 243, 223 and 213 for a whopping 679—high series of the week.

Jeff Mattick was the premier bowler in the Premier League last Monday with a 640 series, including games of 235, 202 and 203. Joe Kokosenski was the only other bowler in the league who found the magic "600" number. Joe's series of 624 included single game scores of 215 and 211.

NAF bowlers held the hot hand as they won three games to take over first place with a 5 and 1 record. They bowled team games of 1038 and 1020 along the way.

Women's Handicap
Willie Johnson smashed out games of 201 and 200 for a 558 series to lead the scoring in the Women's Wednesday Night Handicap League two weeks ago (Sept. 6). On Sept. 13 she did it again with a score of 543.

Other good scores on Sept. 13 included those of Liz Furstenberg, 210 and 536; Mary Jane Clark, 208 and 529; Arlene Harp, 230-527; Mary Kay Inman, 512; Pat Maddux, 508, and Gerry Nash, 500.

Friday Mixed 4-Some

Two weeks ago in this league, Ernie Greblowski rolled a 211 game which was inadvertently left out of the report. Sorry Ernie.

Last Friday night, Maggie Branson socked out a 210 game and a 583 series to lead the distaff scoring. Dan Ryan was the standard bearer for the men with a 614 series and a 234 game. Thad Brightwell hit 611 and Ray Freascher managed a 601 series.

Some top scores posted by the women included Nita Martin, 201-530; Erma Erickson, 201-548; Myrl Plante, 512; Jeanne Crom, 504; Pat Brightwell and Myrtle Snyder, 500. Larry Jeffris had a big 231 single for the men.

New Bowling Hours

Now that action has resumed in the winter bowling leagues, Dean O. Ray, manager of Hall Memorial Lanes, has issued a new schedule of open bowling hours.

On Sundays, there is open bowling from 11 a.m. to 5 p.m. Monday's schedule is from 11 a.m. to 6 p.m., and on Tuesday the hours are 11:30 a.m. to 5:55 p.m.

Open bowling does not begin until 1 p.m. on Wednesdays and ends at 5:55 p.m., and the hours on Thursday are divided—11:30 a.m. to 1 p.m., and 3 to 6 p.m.

Friday's hours are from 11 a.m. to 6:30 p.m., and on Saturday there is open bowling from 3:30 p.m. to 1 a.m.

Women's Golf Invitational Slated Sept. 27

The annual Women's Invitational Golf Tournament will be held at the China Lake Golf Club next Wednesday, Sept. 27.

Sixty-three invitations have been sent to various clubs throughout the Southern California area, urging them to be represented in the local tournament.

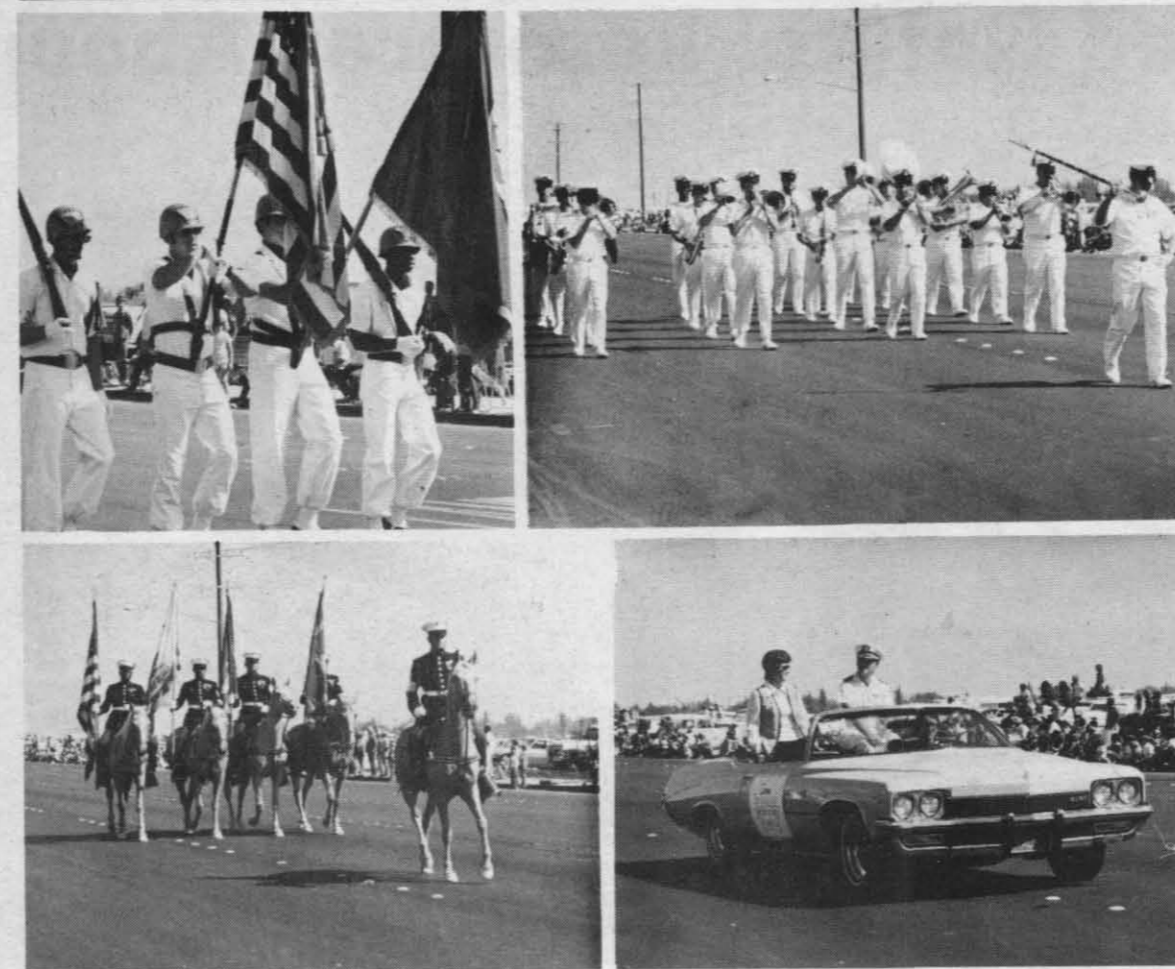
This will be a handicap event. The winners will receive gift certificates, redeemable at either the China Lake Golf Club or if the player wishes, at her own golf club pro shop.

The number of prizes awarded will vary according to the number of women who sign up for this event.



—Photo by Bill Carlson

THE VICTOR AND THE VANQUISHED—Bob Moore, center, congratulates Max Smith (left, back to camera), following Smith's victory on the second extra sudden-death play-off hole in Sunday's China Lake Golf Club championship tournament. Smith won his third consecutive title, defeating Lloyd Klaus on Saturday in 19 holes of match play, and then overcoming a 3-hole deficit on Sunday to pull out a victory over Moore, who was the club champion in 1959. China Lake professional Paul Someson also offers his hand.



MILITARY REPRESENTED IN PARADE—Highlight of the 22nd annual Desert Empire Fair was the parade on Saturday morning down N. China Lake Blvd. In the vanguard of the procession was the Naval Air Facility color guard (top left) and the ComNavAirPac band from San Diego, as well as a mounted color guard from the Marine Corps Supply Depot at Barstow (lower right). The Naval Weapons Center Command was represented in the parade by Capt. T. R. Hendershot, NWC Director of Supply, shown riding with Mrs. Hendershot in vehicle at lower left. The hour-long procession was preceded by a fly-over of jet aircraft piloted by aviators from NAF and NWC.
—Photos by PH1 Marty Millard

Improvements Planned at Golf Course . . .

(Continued from Page 1)
alley, and the purchase and installation of an electric hoist at the Auto Hobby Shop.

In addition, there was the payment of \$3,500 toward retirement of a bowling alley loan that is expected to be completely

Residents Must Obey Watering, Parking Rules

China Lake residents are again reminded of the Center's regulations on vehicle parking and lawn watering in order to facilitate weekly street cleaning operations.

In the Wherry and Capehart "B" housing areas, there will be NO PARKING on the even-numbered side of the streets between 7:30 and 11:30 a.m. on Tuesdays. Vehicle parking also is banned on the odd-numbered side of the streets between 12:30 and 4 p.m. in these two areas on Tuesdays.

Since water running or standing in the gutters hampers street cleaning operations, there is to be NO WATERING from noon on Mondays to 4 p.m. on Tuesdays in the Wherry and Capehart "B" housing areas.

In the Capehart Site "A," Hill Duplex, JOQ and SOQ housing areas, there will be NO PARKING on the even-numbered side of the street between 7:30 and 11:30 a.m. on Thursdays. Vehicle parking in these same areas also is banned between 12:30 and 4 p.m. on Thursdays and, to clear the way for operating street sweeping equipment, watering is prohibited between noon on Wednesdays to 4 p.m. on Thursdays.

These schedules have been put into effect in order to make it easier to clean streets in the above-mentioned areas, while posing less of an inconvenience to the residents. Anyone having questions on this matter should contact Ron Easterling at NWC ext. 2227, Code 70822.

paid off next May, plus another \$1,250 payment on the \$25,000 loan that was obtained to cover the cost of installing an automatic sprinkling system on the front nine at the China Lake golf course.

Fred Johnston, an architect in the Public Works Department, brought Recreation Council members up to date on the study that has gone into a proposal for intermittent use of the NWC gymnasium as a roller skating rink. It was estimated, Johnston said, that materials needed for a guard rail would cost \$2,500. Erecting and removing the guard rail before and after each period of roller skating would require eight man-hours of labor.

After hearing from both Imer and Marty Denkin, NWC athletic director, on the full schedule of activities at both the gymnasium and swimming pool, the Recreation Council decided to table any action on performing work necessary for converting the gym for use as a roller rink until this matter can be given further study.

Reporting on behalf of the Enlisted Recreation Committee, Chief J. E. McMullen suggested that a sink be installed in the kitchen area at Sandquist Spa, to facilitate cleanup work there. The additional picnic tables and bar-

Confab Set on 2.75 In. Rocket System

The Naval Weapons Center will be the center of activities next week for the 16th Tri-Service Conference on the 2.75 in. rocket system.

The conference, which will draw some 80 representatives from military installations throughout the U.S., will begin on Tuesday and continue through next Thursday, Sept. 28.

Col. Elwood J. Hein, from the 2.75 in. rocket program office at Picatinny Arsenal, Dover, N.J., will serve as conference chairman.

Eight Receive Fellowships . . .

(Continued from Page 1)
an NWC employee since September 1970. He and his wife, Roma Jill, have no children.

Henry F. Blazek—Leaving his post as head of the Engineering Department's Microelectronics Branch, Blazek will pursue graduate studies in electrical engineering (solid state) at the University of California at Santa Barbara, where he previously received his Master's degree in electrical engineering in 1968. An NWC employee for nine years, Blazek came to work here after receiving a Bachelor's degree in engineering and physics from the University of Michigan in 1963. He and his wife, Janet, have four young daughters—Joan, Judith, Jenelle and Jinnine.

Delmar A. Dobberpuhl—Graduate studies in laser optics will be pursued at the University of Arizona by Dobberpuhl, who is employed in the Weapons Development Department's Laser Designator-Range-finder Branch. Dobberpuhl, a 1965 graduate of Carroll College, in Wisconsin with a BS in physics and math, came to China Lake in August 1967, after receiving a Master's degree in physics from the University of Missouri at Rolla, Mo. He and his wife, Jane, have two children—a daughter, Brenda, and a son, Brian.

Edward E. Hindman II—An employee in the Research Department's Atmospheric Applications Branch for the past year, Hindman received an NWC Fellowship to pursue graduate studies in Atmospheric Sciences (cloud physics) at the University of Washington in Seattle. A graduate of the University of Utah with a BS in meteorology in 1965, Hindman then attended Colorado State University where he received a Master's degree in atmospheric sciences in 1967. Hindman and his wife, Nancy, have one child, a daughter named Kathryn Cecilia.

James H. Rose, Jr.—Bound for the University of California at San

Diego, where he will undertake graduate studies in physics (semiconductor - superconducting physics), Rose is employed at NWC in the Engineering Department's Engineering Physics Branch. Rose came to China Lake in 1968, shortly after he received his Bachelor's degree in physics from the University of California at Berkeley. He is unmarried.

Douglas J. Sticht—Another employee whose NWC Fellowship award will take him to the University of Arizona is Sticht, who works in the Systems Development Department's Control Design and Analysis Branch. This will be a return to his alma mater for Sticht, who received both his Bachelor's and Master's degrees at the U. of A. before joining the work force at China Lake in June 1969. Sticht and his wife, Cathine, have one child, a daughter, Jessica.

In addition to the current NWC Fellowship awards, those who have received extensions of their previously granted fellowships for 1972-73 are Edward J. Bevan, Gary E. Castor, Michael L. Schmitt, Lloyd H. Smith and Lowell H. Wilkins.

Bevan (Code 4055) will continue his graduate studies in mathematics at the University of Oregon, while Castor is continuing graduate studies in mechanical engineering at the University of Utah.

Both Schmitt and Smith will continue their graduate studies at the Naval Postgraduate School at Monterey, Calif., in the fields of physics and mechanical engineering, respectively, and Wilkins, who has been involved in graduate studies in physics at the University of Texas, also will continue his studies there under an NWC Fellowship.

Funds Lost . . .
(Continued from Page 1)
In the past years, Dr. Spears said, students at China Lake whose parents both live and work on a federal installation, have been provided 100 per cent federal aid for schooling. "If we get less than 100 per cent funding, this will further decrease the district's anticipated income for the 1972-73 school year," the district superintendent continued.

He hopes to know by the end of October what the outcome of any Congressional action on this matter will be, Dr. Spears said, and that, in turn, will determine if some further re-examination of the budget will be necessary.

Summarizing the latest developments regarding construction work that is in progress at China Lake schools, Dr. Spears informed the board that Groves School is now back on its regular schedule of operation in all areas except the cafeteria.

Since the Groves School cafeteria also prepares hot lunches for both Richmond and Vieweg Schools, students at these three schools will have to continue either going home for lunch or bringing a sack lunch until the cafeteria at Groves is back in operation around a week from now.

At Pierce School, where a minimum day schedule (classes dismissed at 12:15 p.m.) has been in effect, the return to a regular schedule of operation will begin on Monday, Dr. Spears informed school board members.



NAVY HARRIER PILOTS—Lt. Larry C. Wahl, left, and Lt. W. S. Orr, Jr., are the only two U.S. Navy officers in the world who fly the Hawker Siddeley Harrier. Lt. Wahl is the public affairs officer and assistant administration officer for VMA-513 and Lt. Orr is the landing signal officer and flight officer for the group. The U.S. Marine Corps squadron will return to Beaufort, S. Car., where it is home-based, next week culminating one month of weapons evaluation tests at China Lake.
—Photo by PH2 G. L. Taylor

Widely Varied Natural Resources Abound Within Confines of Naval Weapons Center

(Continued From Page 1)
her full-time duties carrying out the many programs of full-scale natural resources management on NWC lands.

Scope of NWC's natural resources management program ranges from habitat improvement and providing refuges for rare and endangered species to management of all wildlife and conducting special surveys and studies.

While there has not yet been any official statement on the matter, the prospects are poor this year for opening any portion of the NWC range area to upland game hunting, Mrs. Barling advised. She also noted that lack of rainfall has resulted in poor conditions for hunting throughout Kern County and east-central California.

An on-going annual program, upland gamebird management activity includes live-trapping of chukar and quail, brood counts and reproduction surveys, and (when conditions are favorable) special hunts.

Brood counts of upland gamebirds are conducted by biologists of the California Department of Fish and Game, who evaluate populations of valley and mountain quail and the Indian red-legged partridge (chukar).

Seasonal surveys also are made of springs and seeps used by both wildlife and domestic stock. In some areas, cattle are grazed during winter months under permits administered by the Bureau of Land Management.

Nearing completion this year is a five-year program of wildlife habitat improvement within the boundaries of the Center. Location and installation of watering devices (guzzlers) is a cooperative project between the California Department of Fish and Game and NWC. Nineteen guzzlers are now in place with the 20th scheduled for November.

Guzzlers are located on slopes where rain water and the water from melting snow can be conserved. Such installations include a 900-gallon specially designed fiber glass tank buried in the ground. Sloping down toward each guzzler is a catchment that channels available water into the tank.

Insulation to prevent evaporation of the stored water is provided by brush piles over the tanks. Annual renewal of brush

are approved by the NWC Commander for these special hunts.

In the summer of 1968, two exotic species of gamebirds—the crested tinamou and the seesee partridge—were experimentally introduced as a cooperative venture by the Center and the Department of Fish and Game. This was the first official plant of both species in California.

Success of the birds in the new habitats is inconclusive. Some sightings have been made, but no count of the number surviving is available.

Another of the on-going annual programs carried out in conjunction with management of natural resources is a tally that is made (by helicopter and from the ground) of the wild horses and burros on both the China Lake test ranges and in the Mojave "B"-Randsburg Wash range areas.

It's now estimated that there are 200 wild horses and between 300 and 350 burros on the NWC ranges. Pilots for the aerial counts are provided through the cooperation

of the Naval Air Facility and all counts are handled by NWC with technical assistance from the California Department of Fish and Game and the U.S. Fish and Wildlife Service.

Special wildlife surveys and studies are another aspect of the NWC Natural Resources Management Program. In 1970, aerial and ground surveys were made of both the north range and the Mojave "B" area to determine the number and distribution of bighorn sheep.

It was found that a remnant population of this rare species (estimated at between 12 and 15 animals) exists in the Argus Range and a like number in the Eagle Crags area.

Along this same vein, an extensive survey was carried out in 1969 at the request of the Center to determine the feasibility of introducing pronghorn antelope on the range, while in 1969 and '70, the Center cooperated with two groups

of mammologists in verifying the existence of a unique sub-species of kangaroo rat in the Argus Mountains.

First described as a distinct sub-species in 1931, the kangaroo rat and several other species of small mammals are believed to be relics of the late Pleistocene times when a chain of large lakes occupied what is now the desert floor from Mono Lake to Death Valley.

Recreation, education and archeological investigation are three other ways in which NWC test ranges are used under the Natural Resources Management Program.

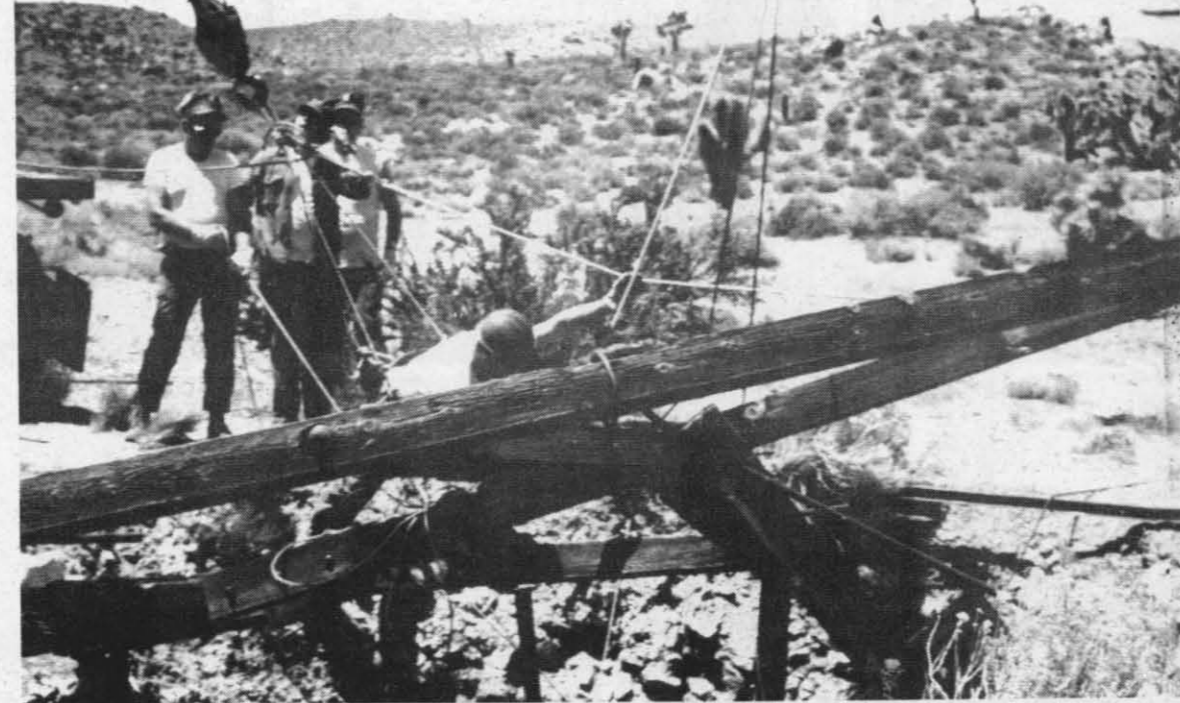
On weekends and holidays, when no testing is scheduled on the ranges, recreation passes are issued by the NWC Security Department.

Chief sites of interest are arrays of primitive rock art chipped or abraded onto basalt scarps in a number of dry canyons. Two principal sites, Little and Big Petroglyph Canyons, were designated by the National Park Service in 1965 as a National Registered Historic Landmark.

Also popular with visitors to the NWC ranges is Coso Hot Springs-Devil's Kitchen area where mineral hot springs, steam vents and fumaroles can be seen.

Coso Hot Springs was a small health spa during the early part of the century, and is now an attractive ghost town for photographers and sightseers—particularly during the time when winter rains are normal and late spring brings a profusion of wildflowers into bloom on the high plateaus.

In addition, the test ranges at China Lake have been used as a field laboratory by college and university classes at times when such visits will not interfere with the NWC mission. During such field classes, the students live trap, identify, study and release a variety of small mammals, birds and reptiles as an outdoor laboratory exercise. At the same time, ornithology class students net and band migratory songbirds in cooperation with national study programs.



VISITORS TO El Conejo mine, where quartz-bearing silver was once taken from the ground, will find the appearance of the place much improved now—thanks to the efforts of Navy SeaBees, who have reconstructed the mine's old head frame.

plis is done by Boy Scouts as a volunteer conservation project.

Among the special programs carried out as a part of Natural Resources Management effort at NWC is study of the feasibility of developing refuges for rare and endangered desert fishes.

During 1969-70 and 1970-71, four such surveys were conducted by NWC in cooperation with the DFG, University of California and the Bureau of Sports Fisheries and Wildlife.

In July of last year, approximately 400 Mojave chub (gila mohavensis) were introduced at a selected site, and observations to date indicate this effort to be successful.

Also during the summer of 1971, NWC management was approached by the California Division of Highways to participate in a program to provide habitat for an endangered population of desert tortoises, whose existence was threatened by the planned route for construction of a freeway.

The Center agreed to cooperate in a multi-agency program by providing refuge sites in remote areas. Field surveys are in progress to assure that areas chosen will provide a suitable habitat.

A small initial transplant was made in the fall of last year. Lack of rainfall and scarcity of food plants for tortoises has caused suspension of this program until in-depth studies can be completed. Meanwhile, a number of tortoises are under protection in special areas on the Center where they are being fed and observed.

During this year the California Legislature enacted measures to place the desert tortoise under full protection and designated it the state reptile.

Special wildlife surveys and studies are another aspect of the NWC Natural Resources Management Program. In 1970, aerial and ground surveys were made of both the north range and the Mojave "B" area to determine the number and distribution of bighorn sheep.

It was found that a remnant population of this rare species (estimated at between 12 and 15 animals) exists in the Argus Range and a like number in the Eagle Crags area.

Along this same vein, an extensive survey was carried out in 1969 at the request of the Center to determine the feasibility of introducing pronghorn antelope on the range, while in 1969 and '70, the Center cooperated with two groups

Joggers . . .

(Continued From Page 1)

the north ranges have been renovated and picnic facilities installed with the assistance of several SeaBee units. Among the areas that have been renovated and improved for recreational use are the Little Petroglyphs, Junction Ranch and Bircham Springs.

Use of these facilities by authorized large groups can be arranged through the Public Affairs Office, Code 023.

The regular recreation pass will still have to be obtained from the Police Division, as in the past.

Generally, the Instruction points out that no access for recreational purposes north of the "barrier" fence will be allowed without specific approval as indicated on the recreation pass. This prohibition includes bicycle, scooter and motorcycle riders on the roads north of the "barrier" fence line.

of mammologists in verifying the existence of a unique sub-species of kangaroo rat in the Argus Mountains.

First described as a distinct sub-species in 1931, the kangaroo rat and several other species of small mammals are believed to be relics of the late Pleistocene times when a chain of large lakes occupied what is now the desert floor from Mono Lake to Death Valley.

Recreation, education and archeological investigation are three other ways in which NWC test ranges are used under the Natural Resources Management Program.

On weekends and holidays, when no testing is scheduled on the ranges, recreation passes are issued by the NWC Security Department.

Chief sites of interest are arrays of primitive rock art chipped or abraded onto basalt scarps in a number of dry canyons. Two principal sites, Little and Big Petroglyph Canyons, were designated by the National Park Service in 1965 as a National Registered Historic Landmark.

Also popular with visitors to the NWC ranges is Coso Hot Springs-Devil's Kitchen area where mineral hot springs, steam vents and fumaroles can be seen.

Coso Hot Springs was a small health spa during the early part of the century, and is now an attractive ghost town for photographers and sightseers—particularly during the time when winter rains are normal and late spring brings a profusion of wildflowers into bloom on the high plateaus.

In addition, the test ranges at China Lake have been used as a field laboratory by college and university classes at times when such visits will not interfere with the NWC mission. During such field classes, the students live trap, identify, study and release a variety of small mammals, birds and reptiles as an outdoor laboratory exercise. At the same time, ornithology class students net and band migratory songbirds in cooperation with national study programs.

Yet another aspect of the Natural Resources Management Program is archeological in-

(Continued on Page 5)

(Continued from Page 4)

vestigation. Several permits have been granted by the Department of the Interior (with endorsement of the Commander, NWC) for accredited museums or universities to conduct scientific exploration of archeological sites. All such exploration is subject to state and federal antiquities laws.

During the spring and summer of this year, SeaBee teams conducting field training exercises have built picnic areas at popular recreation sites on the range. Manpower was supplied by the SeaBees and the Center furnished design, engineering and materials. Locations selected for the first of these natural resources enhancement projects were Little Petroglyph National Registered Historical Landmark, Bircham Springs and Junction Ranch.

At these sites, picnic tables with benches, fire rings, and rest rooms are provided. The Little Petroglyph and Bircham Springs picnic areas have wind shelters in addition to the other facilities. Fences to keep the areas clean underfoot by excluding large animals are another plus feature of these new recreation facilities.

Another facet of total natural resources management accomplished by the cooperative effort of NWC and the SeaBees has been reconstruction of the head frame at El Conejo Mine. Long a landmark against the skies of the north range, the massive structure collapsed several years ago during heavy storms.

Carefully lifted from the 77-foot deep shaft of the mine, old timbers were used as the pattern for reconstruction. Such features as the ore chute and pulley wheel were retrieved intact and remounted. Cribbing and decking were installed to prevent visitors or wildlife from falling down the deep open shaft.

Minor repairs to the New Hope Mine and rehabilitation of several water sources were also part of the SeaBees' team training.

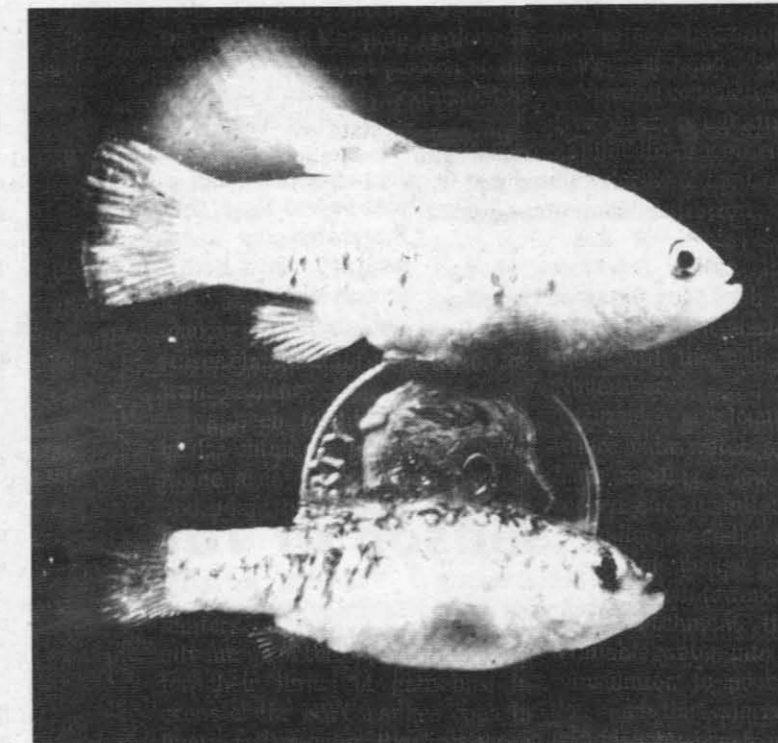
In November, SeaBees will install the 20th and last guzzler of the habitat improvement program, complete the Bircham Springs picnic site and commence work on other planned resources improvement projects.

Project coordination for the SeaBee training programs is done by Ens. D. G. Morris, Public Works project officer. Natural resources and environmental aspects of the projects are planned and executed by Tilly Barling.



THE DESERT RAVEN, a fully protected bird, is important to desert areas because of its role as a scavenger in helping to clean up the landscape.

Black and white photos and negatives reproduced by ROCKETEER photographers from color photo slides taken by Bob and Tilly Barling.



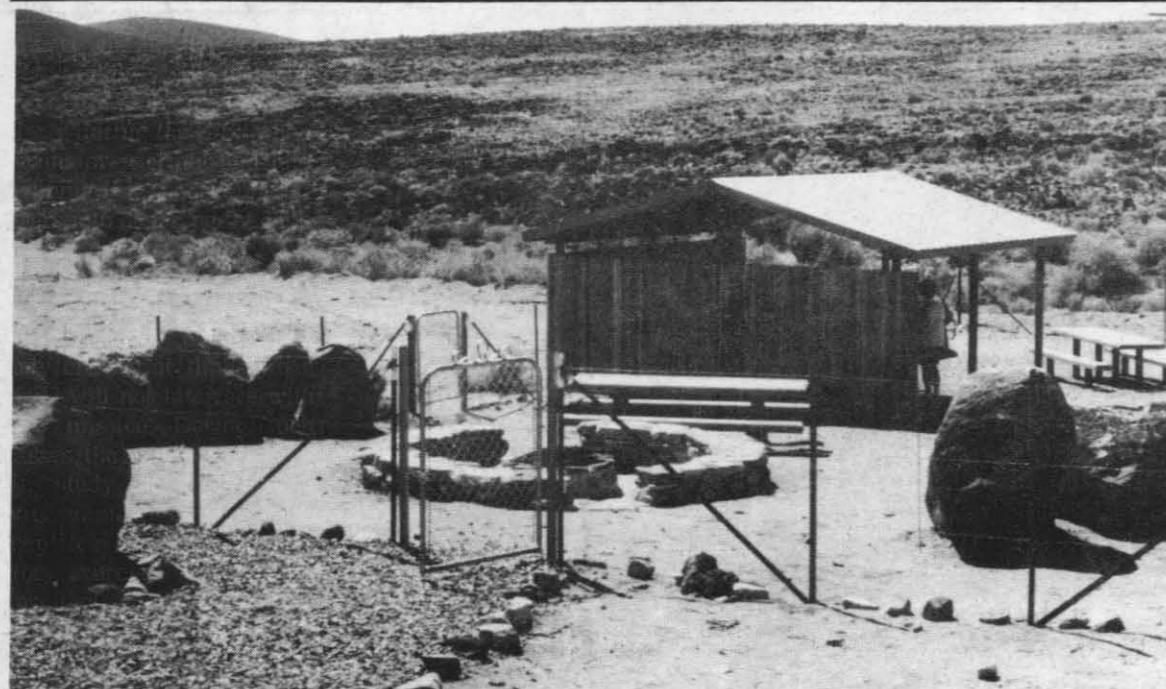
WHILE IT'S NON-POISONOUS, the California king snake, moderately common in the local desert area, has been known to kill rattlesnakes that infringe upon territory it considers its own. The king snake can be identified by its cream and black color.



BURROS WHOSE ancestors strayed or were turned loose from old mining camps that abounded in the desert in by-gone days can be found in some parts of the NWC range area. These skittish, but curious animals, seem to be able to survive on almost anything due to their cast-iron stomachs and ability to get along on a limited amount of water.



THE AMERICAN AVOCET, a wading bird, is attracted to the marshy areas of NWC's G-1 and G-2 ranges. It can be identified by its black and white wings and tawny buff-colored head.



A PICNIC SITE, equipped with a shelter, tables, benches and two fire rings was completed in June in the Little Petroglyph area on the NWC north range. The work was done by SeaBees who were here for a team training exercise. Nearby is a 50-car parking area, which features natural rock to give it a rustic appearance, was designed by Bob Barling in his spare time.