

Help Line To Celebrate 3rd Birthday Sept. 14

Help Line will celebrate its third birthday and also hold its annual business meeting next Thursday, Sept. 14, at 11:30 a.m., in the Mojave Room of the Commissioned Officers' Mess.

A buffet luncheon will be served, at a cost of \$2.50 per person. A brief business meeting and election of officers is scheduled to follow.

Incoming president Joseph McIntire, an operations research analyst with Central Staff's Management Division, will discuss the present status of the crisis intervention service, along with plans for the future.

The public is invited to attend. Reservations, due no later than Monday, may be made by phoning Mrs. Victor Rehn at 446-2305, or Mrs. John Strang at 446-2261.

4-H Club Plans First Meeting Of New Year

The China Lake Chaparral 4-H Club will hold its first meeting of the year on Monday at 7 p.m. at the Vieweg School auditorium.

Registration of new and old members will be held at this time. Boys and girls who will be 9 years old before next Jan. 1, and not older than 19 may join. Parents are always welcome at the meetings.

Clothing, foods, woodworking, entomology, guide dog, horse, and plant science are but a few of the projects that will be offered this year. Plans for the Desert Empire Fair and parade also will be discussed at Monday's meeting.

For further information, interested persons may call 446-4791.

Museum Slates Lecture By Undersea Expert

A lecture and film about life on the ocean floor will be presented on Tuesday, Sept. 26, at 7:30 p.m. at the Burroughs High School Lecture Center by Dr. Sylvia Mead, associate scientist for the Marine Science Institute at the University of South Florida.

Arrangements for this program, entitled "Two Weeks on the Ocean Floor," have been made by the Maturango Museum.

Tickets, priced at \$2 per person, can be purchased at the museum or ordered by calling George Silberberg, 446-5007, or Ruth Pearson, 446-2925.

Two Illustrators Present Display Of Their Work

Two illustrators employed in the Illustration and Design Branch of the Technical Information Department's Presentations Division will present an exhibition of their work starting today and continuing through Saturday, Sept. 16, at Wagenal's Bookstore, 205 Balsam St., Ridgecrest.

The illustrators whose work will be shown are Bill Marvin and Danny Jones. Their exhibit will include a variety of techniques, including charcoal, pen and ink, acrylics and watercolors. The subject matter will vary from classical life drawing to contemporary illustrations.



SEASON OPENER SET SEPT. 15—The Desert Community Orchestra's Pop Concert proved so popular last year that it will be repeated again next Friday night as the prelude to the local musical group's 1972-73 season. Charles Wood, conductor from Bakersfield (shown above), will be here to lead the 30-man orchestra in a varied program that will be presented on the lawn east of the All Faith Chapel.

Desert Community Orchestra Slates Pop Concert Next Friday

The Desert Community Orchestra's second annual Pop Concert, featuring a varied musical menu with something to offer for nearly all tastes, will be presented next Friday, Sept. 15, at 8 p.m. on grounds adjacent to the NWC All Faith Chapel.

This admission-free concert under the stars has been planned as a means of re-introducing the orchestra, under the direction of Charles Wood, outstanding young conductor from Bakersfield, to the residents of Indian Wells Valley.

Music lovers are invited to bring their own chairs or blankets and enjoy this informal opening of the Desert Community Orchestra's 1972-73 season.

Other programs, all to be presented at the Burroughs High School Lecture Center, include a Fall Festival of Music on Nov. 5, a Winter Concert on Dec. 15, and a Youth Concert on April 7, 1973.

For next Friday night's program, which is being underwritten by the Musicians' Performance Trust Funds, Conductor Wood will direct the full

orchestra (30 strong) in such selections as "Emperor's Waltz" by Johann Strauss, ballet music from "Rosamunde" by Franz Schubert, and music from Romberg's "The Student Prince."

In addition, a local Dixie-land group, led by Ken Robinson, will play three or four old-time favorites, and the orchestra's string section will play several selections.

Albert Hammer on the clarinet will lead a clarinet quintet playing the Allegro Movement of Brahms' "Opus 115." Hammer will be accompanied by violinists Andrew Victor and Louise Bare, Shirley Helmick, on the viola, and Charles Cook, playing the cello.

The Pop Concert program also will include "Concertino for Small Hands" by Koh-Ichi Hattori, as played by Ellen Werback, piano; Mrs. Bare, Mrs. Helmick and Mary Ann Kistler, violinists; Carl Helmick, cello; Pearly Riley, bass, and Debbie Johnson, drums.

Activity of the Desert Community Orchestra is supported financially by association mem-

berships of \$1 for students and enlisted personnel, \$5 for adults, \$10 for families, \$25 for contributing members and patrons, and \$50 for commercial memberships.

Orchestra members participate without compensation. However, the music, direction, concert facilities and such things as soloists, out-of-town musicians when required for full orchestra renditions, and incidental expenses result in budgeted costs of approximately \$750 per concert that is subscribed locally.

In addition to its own activities for the 1972-73 season, the Desert Community Orchestra has been invited to accompany concert pianist Vladimir Pleshakov in a separate China Lake Civic Concert Association program on Feb. 21, 1973.

Members of the Desert Community Orchestra Association will be afforded the opportunity to attend this concert on a seats-available basis at nominal cost.

Hawaiian Luau Planned Sept. 15 At Officers' Club

Next Friday, Sept. 15, the Commissioned Officers' Mess (Open) will hold its annual Hawaiian luau, with authentic dancers and entertainment and good Hawaiian food.

Tickets for the event, which is scheduled to last from 6:30 p.m. to 1:30 a.m., are on sale at the reception desk at the Officers' Club and are priced at \$7.50 per person.

Dress for the occasion will be Hawaiian or casual.

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 accompaniment of Parent or Adult Guardian

FRI. 8 Sept.
"CARRY ON HENRY" (91 Min.)
Sidney James, Kenneth Williams (Comedy) King Henry VIII (Sidney James) cuts up, as a real swinger, with a mixup of brides, boudoirs, beauties and babes. (PG) SAT. 9 Sept.

—MATINEE—
"BULLET FOR A BAD MAN" (80 Min.)
Audie Murphy, Ruta Lee

—EVENING—
"THE CULPEPPER CATTLE CO." (92 Min.)
Gary Grimes, Bill Bush

(Western) This is the telling of the passage into manhood of a native 16-year-old who signs on as a "Little Aary" (cook's helper) on a dangerous Texas-to-Colorado cattle drive, and finds the work a good deal more brutal and less glamorous than he'd imagined. After proving himself in a bloody gunfight, he eventually leaves the drive to help defend a group of religious cultists against an unscrupulous land baron. (PG) SUN. & MON. 10-11 Sept.

"THE NIGHTCOMERS" (97 Min.)
Marlon Brando, Stephanie Beacham (Melodrama) Two children are left in the care of a housekeeper, a governess and a gardener-stableman. When they learn of the death of their parents, they view death as a reunion of loved ones, and kill the governess and the gardener. (R) TUES. & WED. 12-13 Sept.

"TWINSONS OF EVIL" (89 Min.)
Peter Cushing, Damien Thomas (Horror) When not putting innocent peasants to the holy torch ("It purifies their souls"), Peter Cushing casts a baleful eye up at the brooding castle of Count Karnstein (Damien Thomas), a depraved evil worshipper. The count, meanwhile, catches a glimpse of Cushing's voluptuous twin nieces, and it is not long before one of them is drawn into his evil sphere. Cushing knows how to spot evil when he sees it, but, alas, he has never allowed himself to get near enough to the girls to be able to tell which is the witch. (R) THURS. & FRI. 14-15 Sept.

"DR. JEKYLL & SISTER HYDE" (95 Min.)
Ralph Bates, Martine Besivich (Horror) Transsexual version of classic horror story. Scientist experimenting for everlasting life needing fresh corpses for same, turns to murdering local trollops. (R)

TV Channel 28 Now Back on Air

Channel 28, the educational television station from Los Angeles, is now back on the air locally.

Approximately nine weeks ago, the final amplifier for Channel 28 reception in the local area burnt out, and it has taken until now to replace this vital piece of equipment.

Dance Set Tonight

There will be a dance tonight at the Commissioned Officers' Mess (Open) from 9 p.m. to 1:30 a.m.

Music will be provided by the Batuka Combo—a group brought back by popular request after a highly successful previous engagement here.

The dance is free to all Club members and their guests.

From _____

TO _____

PLACE STAMP HERE



WACOM MEMBERSHIP COFFEE—Mrs. George Burdick (left) and Mrs. Richard Wright, co-chairmen for the WACOM annual membership coffee, remind wives of military and civilian members of the Commissioned Officers' Mess (Open) that this event is coming up on Tuesday morning at 9:30. Entitled "Rally Round for the People's Choice," the coffee will be held at the Officers' Club and will feature information for prospective members on the varied program of events upcoming on WACOM's calendar. The coffee will provide an opportunity, especially for newcomers to the area, to join WACOM and to learn more about the group's activities.

nwc rocketeer

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China Lake
California

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Building Dedication To Kick-off Week Of Desert Empire Fair

Activity in connection with the 22nd annual Desert Empire Fair, which will open next Wednesday, Sept. 13, and continue through Sunday, Sept. 17, is now reaching a fever pitch in the neighboring communities of China Lake and Ridgecrest.

"Fair Week" will be launched Sunday evening during a program held to celebrate the formal dedication of the new permanent exhibit building at the fairgrounds

Old Bomber Gets New Lease on Life

A B-29 bomber, once slated for destruction in ordnance tests carried out at the Naval Weapons Center, now has a new lease on life as the central attraction of a war memorial exhibit in Seoul, capital city of the Republic of Korea.

An unveiling ceremony for the huge four-engine bomber, which was dismantled and crated up for shipment from here this past April, was held on Aug. 14.

During a ceremony attended by government officials and Korean citizens, announcement was made that this old bomber, similar to those which wreaked havoc on enemy installations during the latter part of World War II as well as during the Korean War, had been christened "Unification" as a symbol of the Korean people's wish for territorial unification of their divided land.

Among officials present at the ceremony held to unveil and announce the new name of the B-29 Superfortress were H. E. Kim Jong-Pil, Prime Minister of the Republic of Korea; J. H. Yu, ROK (Continued on Page 5)

in Ridgecrest. Three guest entertainers familiar to motion picture, television and night club audiences, will be on hand for the dedication program that is slated to get under way at 7 p.m. Sunday at the new building. They are Billy Mize, star of Gene Autry's "Melody Ranch" TV show; Claire Courtney, country-western singer, and Billy Armstrong, champion fiddle player.

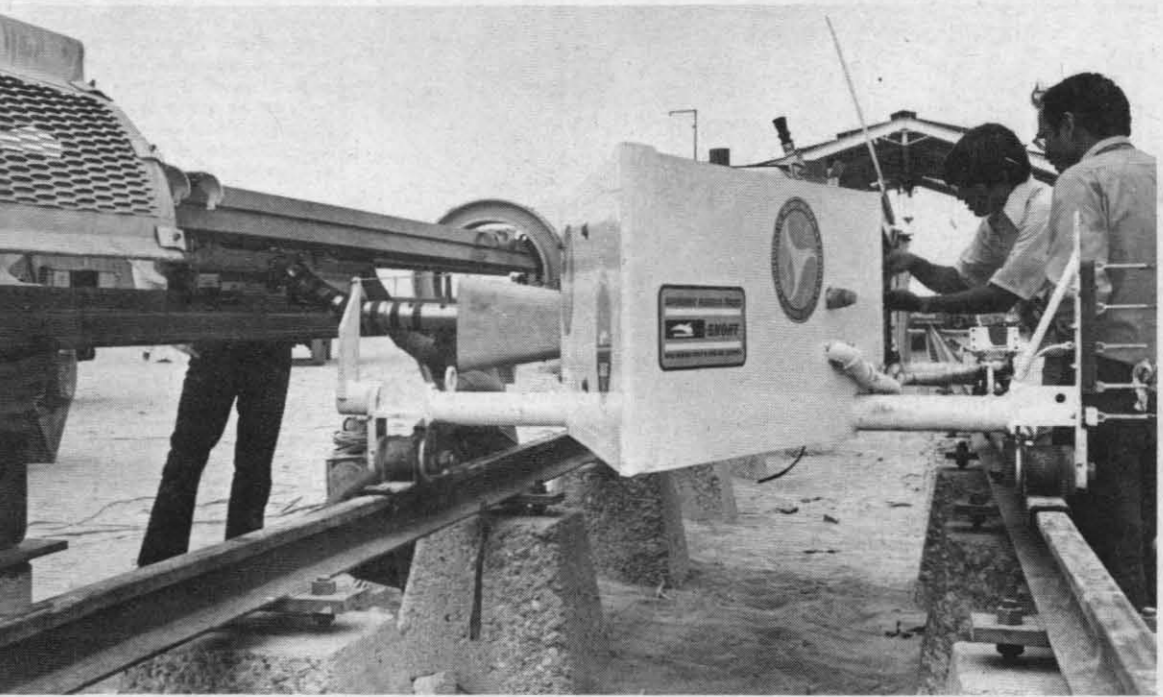
Announcement of the new name that has been chosen for the exhibit building and the showing of a short movie depicting highlights in the history of the Desert Empire Fair will be followed by an evening of dancing and entertainment.

A no-host social hour will precede the 7 p.m. building dedication ceremony, and dancing to music of Don McNatt and his New Country Sounds, who will back up the evening's star performers, will round out the evening.

Admission is \$3 per person to the building dedication program. All proceeds after expenses will be used to help furnish the new structure with tables, chairs and other equipment that will be needed for the many uses it is intended to fill.

Tickets to the building dedication and dance can be purchased from members of the Desert Empire Fair's board of directors or at the Ridgecrest Chamber of Commerce office, 201 Panamint St., and also will be on sale at the door Sunday evening.

A fun-filled midway, featuring rides and carnival attractions brought here by the SJM Fiesta Shows, as well as games and refreshment booths operated by local clubs and organizations, will (Continued on Page 3)



NWC EMPLOYEES WORK ON HIGH-SPEED TESTS—Robert Williams, an electronic test engineer for the Track Branch of the Engineering Department's Ground Operations Division, and R. L. Brown, electronics technician for the same branch, make adjustments to the telemeter system in the rocket sled used to test a Department of Transportation wayside power collection system. The series of tests now under way at Baker-4 track involves a progressive build-up to higher speeds with all raw data transferred from the test sled to a receiver station for computer analysis. The collector arm undergoing tests is to the left of the picture between the rocket sled and the above-ground power rails.

Tests Held Here of High-Speed Ground Transportation System

By Liz Babcock

Rapid movement of people and freight through thickly populated areas is of overriding concern to the Federal Railroad Administration of the Federal Department of Transportation (DOT).

As highways and air lanes become increasingly congested, DOT officials devote more and more attention and funds to the development of high-speed ground transportation systems.

The Naval Weapons Center recently became involved in the DOT-sponsored high-speed tests on a wayside power distribution and collection system for the Tracked Air Cushion Research Vehicle (TACRV).

Prior to completion of the Pueblo Test Center, DOT is using existing

facilities wherever possible to move ahead with its high-speed transportation research.

When AIREsearch Manufacturing Co., a division of Garrett Corp., began development of a test plan for the TACRV wayside power distribution and collection system, consideration of China Lake facilities was a natural outgrowth of the discussion of test needs.

Requirements for the most economical and practical test (Continued on Page 3)

As anticipated, the next military pay raise has been delayed from this October to January 1 of 1973, according to the weekly newsgasm received from the Chief of Naval Information.

In an effort to keep federal pay standards in line with wage-price controls, the President announced to Congress that he is postponing the Oct. 1 Civil Service and military pay raises until next year.

Mr. Nixon said he strongly believes that public servants should receive pay comparable to the private sector. However, he added, it is also necessary that military and civil employees be treated the same as private employees, receiving no more than one raise every 12 months. Such action is essential to stabilize and revitalize the country's economy.

When the pay raise does take effect for federal civilian employees it is expected to be close to the 5.1 percent recommended by the Office of Management and Budget. The recommended military raise is 6.7 percent.

Equal Employment Opportunity Policy

The Department of the Navy goal is a fully integrated work force in all activities, in all organizational segments, in all occupations and at all levels. To reach this goal, the U.S. Navy's basic policy for all personnel, military and civilian, is for complete equal opportunity in all phases of life and employment without regard to race, color, religion, sex or national origin.

This policy has my complete support and I am fully committed to insuring that this policy is adhered to at the Naval Weapons Center. We have made progress in providing equal opportunities for our personnel and in guaranteeing a harmonious environment for every member, however, further progress is very much in order. The Naval Weapons Center should be a model of equal opportunity for all personnel, military and civilian, where merit, ability, performance, experience and potential are the individual factors to be evaluated, where each individual can live and work with dignity and where all vestiges of discrimination are eliminated so each member can contribute to their fullest. To achieve this model, the following immediate and long term objectives are established:

Continuing positive action by all NWC supervisors (military and civilian) to insure that qualified minority personnel and qualified women are attracted to apply for jobs of all types and levels for consideration with others.

Continuing special effort by supervisors and management officials (military and civilian) to encourage minority personnel and women as well as other employees to aspire to higher level positions and to acquire

qualifications needed for advancement. Positive actions by all supervisors (military and civilian) insuring that minority personnel and women within their work force, as well as other employees, are given the opportunity to acquire work experience or specialized training which will help fit them for advancement, particularly where the potential for advancement is demonstrated.

Recognition by all personnel that it is their inherent responsibility to carry out the spirit as well as the intent of the Navy policy, that this is a condition of their employment or service and that the effectiveness with which they carry out their responsibilities for equal opportunity is an important consideration in selection for more responsible positions.

Assurance by Center management of absolute equal opportunity in the living and recreational conditions in the China Lake Community. Positive assistance to supervisors and other personnel at all levels in identifying and correcting personal bias which impedes accomplishment of the above objectives.

As part of a continuing program to achieve these objectives, I am directing a review and update of previously published NWC Affirmative Action Plans. We must insure that we take positive actions which achieve equal opportunity and not pay it mere lip service. Equal opportunity is clearly a permanent part of our everyday lives and it is equally clear that continued progress requires the active support of all personnel.

A. J. Moran
RAdm. W. J. Moran
Commander, NWC



By Jack Lindsey

The 1972 version of the China Lake Golf Club Championship will be the main topic of interest on two consecutive weekends—tomorrow and Sunday and again on Saturday and Sunday of next week.

The first club championship was held in 1958 and Leo Enriquez was crowned the victor. He was to repeat as champion two more times—1962 and 1965—which makes him the only man to have won the title three times.

Three men have won the club championship laurels twice: Bill McIntosh, in 1964 and 1966; Randy Anderson, 1967-1968; and the current champ, Max Smith, who also won in 1970.

Capt. Bob Moore was the winner in 1959, followed by Dale Mead in 1960 and Gus Mead in 1961—a father-son duo as good as any other parent-offspring combination to be found at China Lake.

Lloyd Klaus turned the trick in 1963 and Marv Rush won the title in 1969.

One of my big ambitions is to win this coveted title—it's coveted by me. I've got it all figured out; all I have to do is hit off the tee like Bob Moore, hit the long irons like Randy Anderson, chip like Lloyd Klaus and putt like Bill McIntosh, and the title is mine.

Actually, each of these men have had some outstanding characteristic in their game, but, let's face it, they were, (and are) darned good at nearly all of it.

Anyway, this weekend, the best golfers—and the second-best—will be flailing away at the little white ball, intent on being the next club champion. There are some strong possibilities waiting in the wings to step in if Max Smith falters—Curt Bryan, Moore, who is back and is the Commanding Officer of NAF, McIntosh still plays here, Klaus has taken up the game again with a renewed fervor, and others.

And let's not forget the kids. Little Jim Runchey could do it all, if he's learned to take the pressure; Keith Adicoff, whose game is overwhelming at times; Bobbie Harrison, only 15, but already an 8-handicapper and a real tough player under pressure, Dan Morey, and Mike Pangle.

The whole club could be surprised if Jeff Summey puts it all together for the four days. He's a young sailor who has just been with us a few weeks, and his long game is absolutely frightening.

Well, there it is, the once-yearly extravaganza, courtesy of the golf club and Special Services. The annual renewal of the Curt Bryan-Max Smith challenge match.

It will be stroke play the first weekend and match play the second. Spectators are welcome.



GIRL SOFTBALLERS VIE IN TOURNEY—Members of the Indian Wells Valley Girls' All-Star softball team returned last week from Bell Gardens, where they competed in the Southern California Athletic Federation's Girls' Ponytail Softball Championship tournament. Team officials noted that opening game jitters contributed, in part, to the local squad's 10-3 loss to a team representing Downey. The IWV girls' team did much better on Thursday, Aug. 31, being edged, 4-3, by Sepulveda, one of the teams favored to win the tourney. Robin Harbin and Dawn Wood both banged out triples in a losing cause. Players and officials of the IWV Girls' All-Star softball team were (kneeling, from left) Myrna Martin, Lynn Preston, Elaine Parson, Robin Harbin, Carol LaBerteaux, Laura Reymore, Robin Clodt and Stephanie Blanche. Standing are (from left) Daphne Marshall, the coach, Diana Allen, Dawn Wood, Karen Newmyer, Kathy Burkhalter, Terry Reymore, Julie Clodt, Bobby Gould and Pat Brightwell, manager of the team.

VX-5 Vampires Win Flag Football Season Opener

The VX-5 Vampires, a pre-season favorite in the China Lake Intramural Flag Football League, opened with a 20-6 win Tuesday night over the NWC Dispensary squad.

Both teams relied principally on their aerial attack to move the ball, and the Vampires, quarterbacked by Dave Rolf, had the advantage in this department.

The game's first score was set up on a run by Tom Haus, who took a handoff from Rolf and galloped nearly 50 yards before losing control of the ball which went out of bounds on the Dispensary team's 5-yard line.

Two plays later, Rolf passed into the end zone to Matt Taylor for the game's first touchdown, and the 2-point conversion was then tallied on a pass over the middle to John Hinton.

The score remained 8-0 in favor of VX-5 until midway through the second period, when Rolf, who had been continuing his passing attacks with completions to flanker back Dave Dembeck, tossed a 15 yard scoring aerial to Haus. This boosted the Vampires' lead to 14-0.

In the third period, VX-5 continued to move the ball through the air and a Rolf to Hinton aerial connected for another touchdown that boosted the Vampires' lead to 20-0.

Staving off a shut-out, the Dispensary gridders got on the scoreboard in the final period as the result of a pass from Quarterback Phil Estes to Gene Sticca, an end. The scoring play covered

Jr. Bowlers' League Action Starts Saturday

League action starts tomorrow for junior bowlers at Hall Memorial Lanes.

The Bantams are scheduled to bowl at 9 a.m. and a meeting for the Junior-Senior League, scheduled at 9:30, will be followed by bowling in the league.

The Little Giants will bowl at 1 p.m. Further information may be obtained from personnel at the bowling alley, phone 3471.

Burroughs High School Senior Competes in Marathon Races

Bill Hammer, 17, the son of Mr. and Mrs. Al Hammer, runs 10 miles every morning before breakfast. He's not a physical fitness nut, per se, he's in training. Bill is a marathon runner.

The marathon is a grueling, punishing 26-mile race. It is called a marathon to commemorate the distance an unidentified Greek

Gym To Be Set Up For Volleyball, Basketball

For the duration of the flag football season, the NWC gym will be set up on Tuesday and Thursday nights for the use of those interested in playing volleyball or competing in half-court basketball contests.

No teams will be organized. Those wishing to join in their recreational activity need only show up on either night.

New Hours Set for Open Swimming

With the fall season now at hand, a new schedule of open swimming hours at the Naval Weapons Center swim pool was announced this week.

Hours set aside for open swimming are: Mondays, 4-6 p.m.; Wednesday and Fridays, 4-9 p.m.; Saturdays, 11 a.m. to 5 p.m., and Sundays, 1-5 p.m.

Use of the Center swimming pool is restricted to adults Monday through Friday, from 11 a.m. to 1 p.m., recreation officials stated, and because of its past popularity additional time is being allocated exclusively for women at the gym and swimming pool.

The swimming pool is open for use by women only on Mondays from 6 to 10 p.m. and on Thursdays from 9 to 11 a.m. the women once again have exclusive use of the swimming pool and gym.

Use of the Center swimming pool is available free of charge to military personnel, but there is a charge of 15 cents per person to all others. Family membership cards, priced at \$7.50 a year for civilians and \$5 for dependents of military personnel, can be purchased at Special Services.

Fair To Begin Sept. 13...

Additional points in the membership queen contest also can be garnered by entrants who sell \$35 individual or \$50 group memberships in the Desert Empire Fair, Inc.

Biggest day of the annual fair will be Saturday, Sept. 16, which will get under way with the Lions Club's pancake breakfast between 7 and 11 a.m. in the K&R Market parking lot, and is to be followed by the Desert Empire Fair parade down N. China Lake Blvd. starting at 10 a.m.

Trophy presentations to winners in the various categories of the parade competition will take place at the fairgrounds following the procession. Other activities planned during the afternoon and evening of Saturday, Sept. 16, include turtle races and songs by a gospel music group.

Final events of the five-day celebration will begin with a horse show from 2 to 6 p.m. Sunday, Sept. 17, in the equestrian area at the fairgrounds. There also will be a demonstration of square dancing that evening from 7 to 8:30 by members of the Cactus Squares, in addition to the finals in the horseshoe tossing tournament.

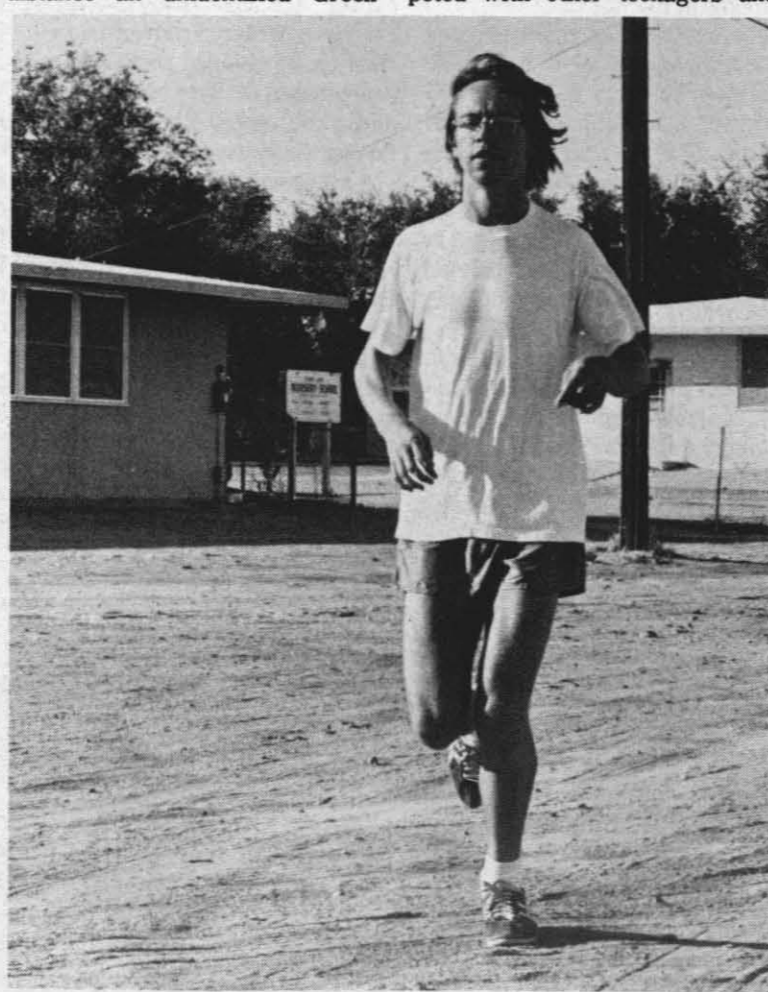
A cake decorating class will be conducted by Mrs. Rose Marie Suhr, beginning on Sept. 27. The class will run for eight consecutive weeks and will be held on Wednesdays at 9 a.m. and Thursdays at 7 p.m.

Persons interested in attending the class are asked to call Mrs. Suhr at 446-2766.

Cake Decoration Class Scheduled

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Persons interested in attending the class are asked to call Mrs. Suhr at 446-2766.



YOUNG MARATHON RUNNER—A familiar sight to China Lake residents who are early risers is Bill Hammer, who keeps in training for competing as a 26-mile marathon runner by running 10 miles every morning before breakfast. A senior at Burroughs High, Bill is the son of Mr. and Mrs. Albert Hammer, and is a member of the local high school's cross country team.



CHIEF HARRIER PILOT—Maj. James Orr, USMC, Commanding Officer of VMA-513, prepares to climb into the cockpit of a British Harrier, the little jet capable of flying like a helicopter. VMA-513 is presently at China Lake to make evaluation tests of weapons delivery systems on NWC's instrumented ranges. In addition, squadron personnel are flying a mission known as Operation Battle Cry between here and Pt. Mugu, with members of VX-4, stationed Pt. Mugu, also taking part.

Ground Transportation Tests Run...

Ground Transportation Tests Run...

(Continued from Page 1)

setup included use of pre-existing facilities and equipment, a compact track needing modification along only a short distance and equipment capable of high accelerations to reach the test speed in this short distance.

A study of a number of alternative test methods led AiResearch engineers to conclude in their technical proposal to the DOT Office of High-Speed Ground Transportation that sled carrier testing with use of a rocket sled to achieve high speed in a few hundred feet "is the best method of testing since it achieves highest level of confidence, and in less time and at less cost than the next best alternatives . . ."

"One of the important advantages of using the sled," they stressed, "is that the test facility is operational; there is no need to spend extensive time, effort, and cost on developing, checking out, and modifying the facility, which would be essential if it were a special new setup."

NWC's Baker-4 Track, one of three major NWC tracks under cognizance of the Track Branch (Code 5722), was found to be ideal for the proposed tests. The longer and newer SNORT Track now is used more frequently for Center research requiring a test track. Therefore, modification of the Baker-4 Track for DOT tests would not upset ongoing Center programs.

In preparation for tests of the wayside power system, NWC personnel, with technical planning and guidance from Robert V. Bush, an employee of the Track Projects group in the Engineering Department's Ground Operations Division and the project engineer on this cooperative venture, installed a series of 122 posts set in concrete, and three power rails running the length of the posts.

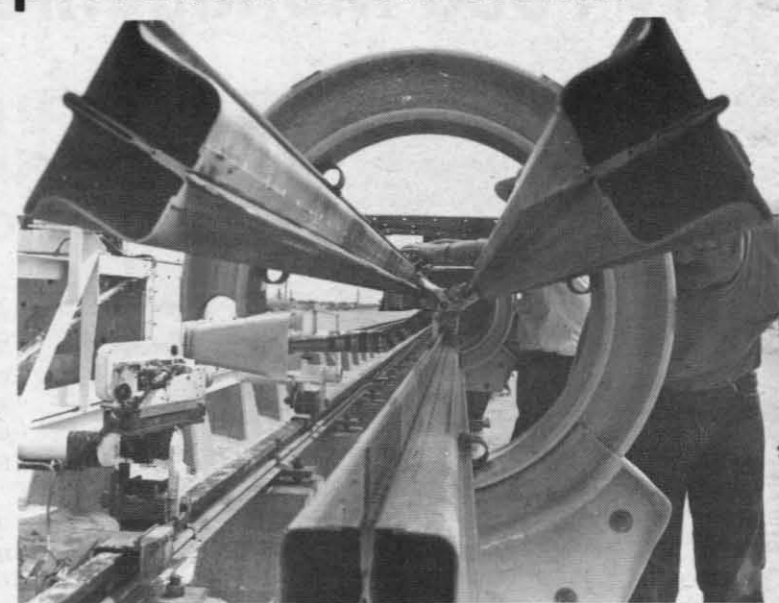
The first 1,500 feet of the track's 14,560-foot length were modified for actual test usage. The rocket sled uses some additional track to coast to a stop upon completion of a test run.

During wayside power tests at NWC, the collector arm, ultimately to be an integral part of the TACRV, is attached to the test rocket sled, and as the sled speeds down the track, the collector arm runs between the three power rails, suspended above the ground by the posts. As the collector arm rides down the rails, power is transferred from the rails through the collector arm to the sled.

This concept has been used before. The Japanese have a workable high-speed transportation system that uses wayside power and can achieve speeds up to 150 miles an hour. "But we're talking about 300 miles an hour," Bush emphasized. "The Japanese say it can't be done at 300 miles an hour."

James G. Rickhoff, head of Track Projects, elaborated, "What makes this testing problem so complex is first, the high velocity of the vehicle, and next, the tremendous amounts of current that have to be transferred. Transfer of current at this velocity becomes a tremendous problem from an electrical standpoint and also from a mechanical standpoint."

Further, Bush pointed out that, just as a person's arm dangled



POWER RAILS FOR HIGH-SPEED TESTS—Three power rails transfer power through a collector arm (extending from the center of the picture toward the sled on the left) to the test rocket sled that is being used in a series of high-speed tests for the Department of Transportation of a wayside power collection system. As the test sled speeds along a track on NWC's Baker 4 range, the collection arm rides down the rails, making electrical contact through brushes mounted on the arm. The rails are seen here as in cross-section from the end of the 1,500-foot section of track modified for the DOT tests.

from the window of a car becomes suspended in the air rushing past it, the collector arm "has to be aerodynamically stable because it essentially has to fly at that high speed."

Track Projects personnel are conducting three series of tests on Baker-4 Range. The first series, already completed, determined the dynamic forces on a dummy collector arm as it was carried between the rails by the speeding rocket sled.

The second series, also completed, was conducted with the actual collector arm, complete with the brushes needed to make physical contact with the power rails.

The final series of tests involve the transfer of power from the rails to the collector arm. All three series of tests called for a progressive build-up to higher speeds, with constant computer analysis of test data.

Rickhoff emphasized that the DOT investigation of high-speed transportation is a large, multifaceted project, involving many contractors. "The Germans, French and Japanese, all ahead of us in the development of rapid transportation systems, are cooperating very closely with the Department of Transportation on

this problem," he said.

Many ideas currently are being studied to facilitate rapid movement of crowds of people in a safe, economical, and pollution-free manner. Among possibilities under consideration are tube vehicle systems, both at atmospheric pressure and in a partial vacuum; and various magnetic forces on a dummy collector arm as it was carried between the rails by the speeding rocket sled.

Magnetic vehicle research and development indicates that this approach is promising; there is a strong possibility NWC will be involved in high-speed tests for this type of transportation, too.

The services will be conducted by Paul Tuchman, the Hebrew Congregation's new student rabbi, in the East Wing of the All-Faith Chapel.

Rosh Hashanah To Be Celebrated

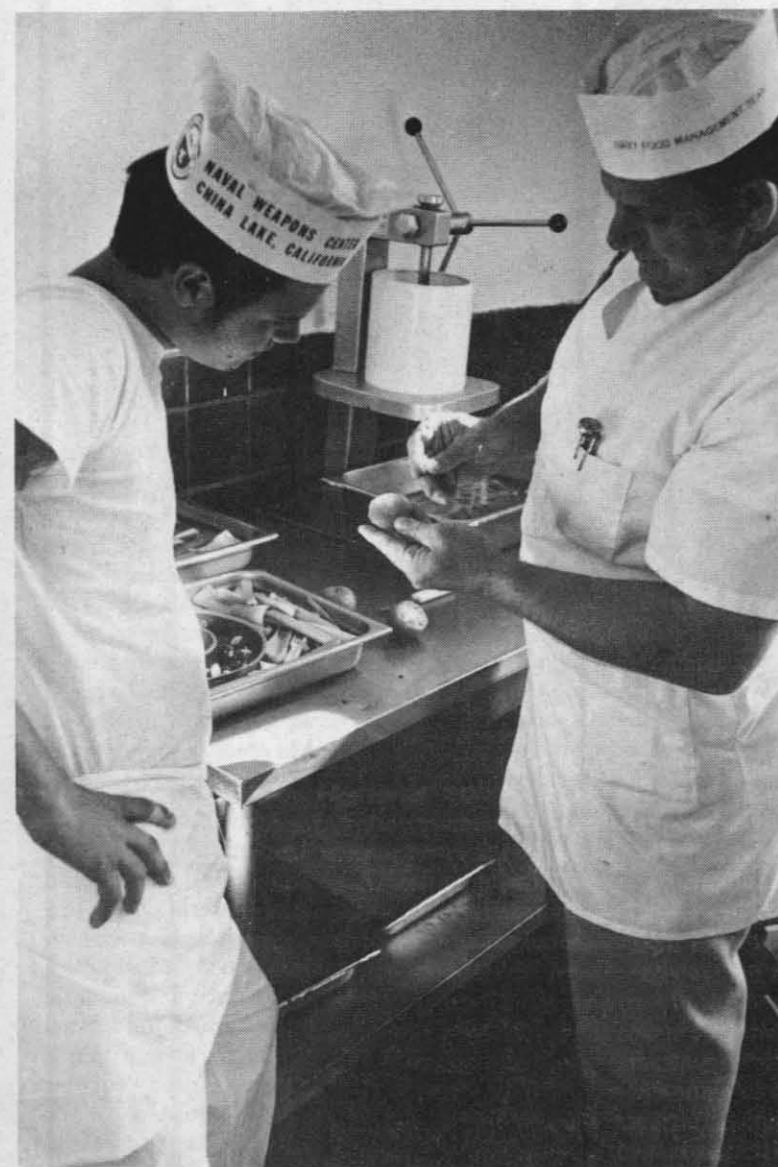
The Hebrew Congregation will celebrate Rosh Hashanah, the High Holy Days, tonight at 8 o'clock and tomorrow morning at 10.

A special invitation is extended to servicemen to attend these observances, which are open to all interested persons.



SKILLED AS OUTDOOR CHEF—Capt. T. R. Hendershot (at left), NWC Director of Supply, was the recent recipient of a certificate of honorary lifetime membership in the Master Railroaders of Navy Chow. The presentation was made by LCdr. I. W. Bell, Jr., who was in charge of a Food Service Team from Long Beach which came here to inspect the Navy galley. While here, the team members attended the annual Supply Department picnic at the Naval Air Facility swimming pool, where they had the opportunity to observe Capt. Hendershot's expertise as a barbecuer of hamburgers and hot dogs.

Navy Food Management Team Visits Galleys at NWC



Helpful Tips Provided On Operations Here

A Navy Food Management Team from Long Beach recently spent 12 days in the local area to assist the Naval Weapons Center galley with their general operations and in order to raise food service standards at NWC.

"This was not an inspection team," said Lt. J. C. Richards, the food service officer. "They were here mainly to help us in the field of general mess administration," he added.

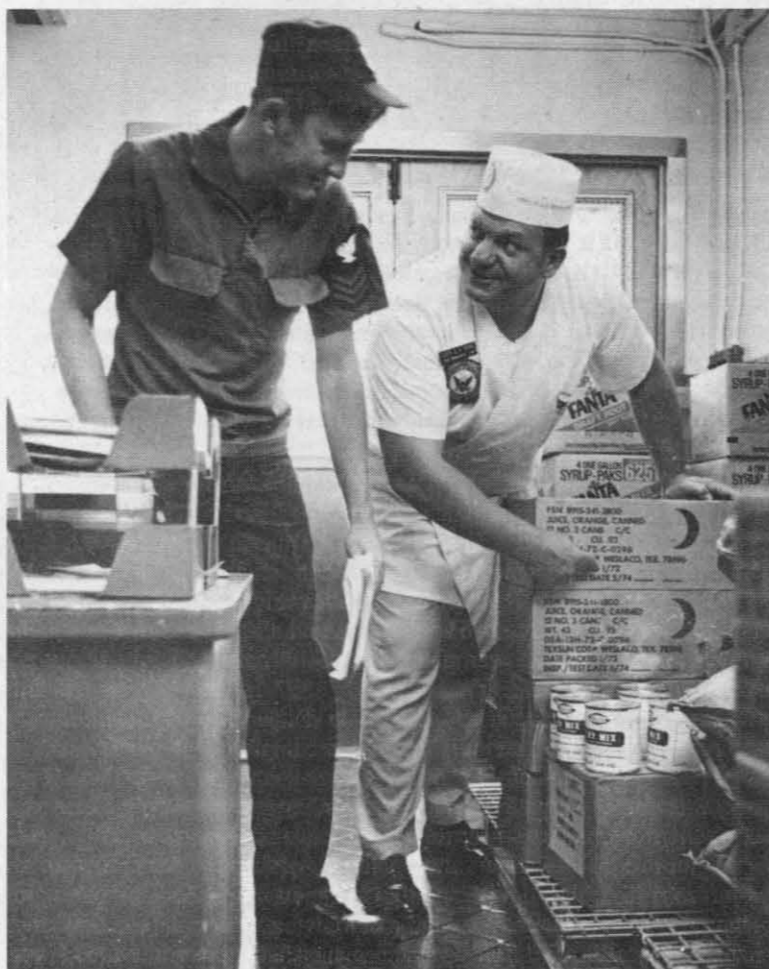
The team was composed of CSCS Donald K. Birr, CSCS Charles W. Davis, and was commanded by LCdr. I. W. Bell, Jr. During their visit (from Aug. 14 through 25) they performed training in menu planning, food preparation, food service, sanitation and care of equipment, and record keeping.

The efficient use of trained manpower, raw materials and culinary tools, as well as the continuous training and supervision of personnel were stressed as a means of achieving a more effective and efficient general mess operation.

NWC's food service personnel exhibited much interest and enthusiasm in the training program, according to Lt. Richards, and profited greatly by the team's visit.



TRAINING SESSION — Movies were the order of the day as CSCS Charles W. Davis, left, of the Navy Food Management Team, showed some films on sanitation to the NWC Mess personnel. CS2 William Wirth, foreground, takes it all in.



TIPS ON STOREKEEPING GIVEN — CS1 Jack Huffman, the "Jack o' the Dust" at the NWC Galley, listens as Chief Birr supplies him with some suggestions on ordering and stocking food items for the NWC Galley.

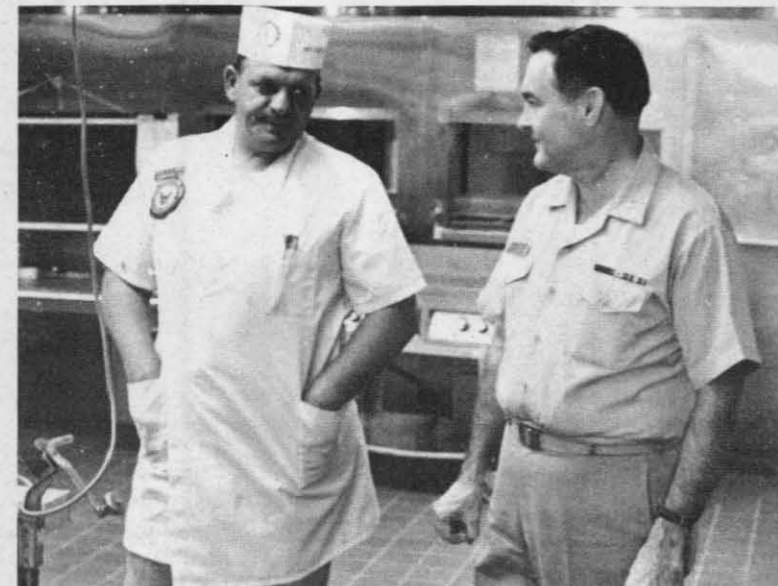
LESSON IN THE CULINARY ARTS — CSCS Donald K. Birr, right, of the Navy Food Management Team from Long Beach, Calif., shows AA Steven Kelly the proper way to trim and prepare vegetables.



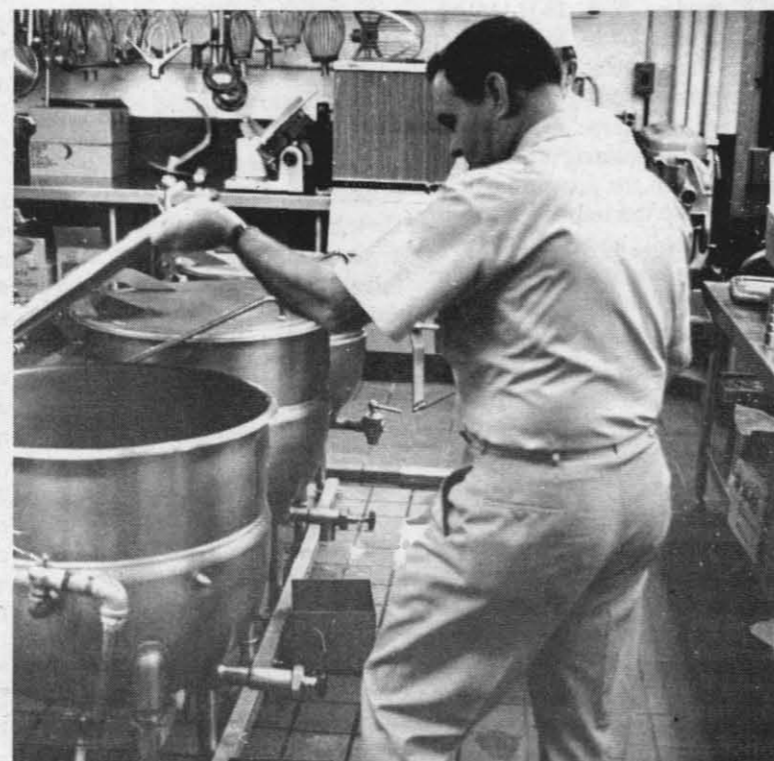
CLEANLINESS TIPS — Chief Birr gives AA Prudencio Manzanilla (left) and AK1 Bob McGhee (right) tips on the cleaning of the milk dispensing machine.



PREPARING SUPPER — Chief Birr checks a pot of vegetables being prepared for the supper menu at the Main Galley. The Food Management Team offered suggestions and tips on the best way to prepare food during their 12-day visit to NWC.



PLANNING CONFERENCE — Chief Birr, left, confers with LCdr. I. W. Bell, Jr., the officer-in-charge of the team. The three-man team spent 12 days at NWC instructing and training the galley cooks and storekeepers.



TAKING A PEEK — LCdr. Bell inspects one of the huge copper containers used at the galley. Advice on the proper method of cleaning these huge cookers were given by the team.

Visit to Rand Mining District Gives Clues to Colorful Past

By Jack Lindsey

The Rand Mining District, which includes the communities of Johannesburg, Randsburg, Atolia, Red Mountain and nearby Garlock, is located about 25 miles south of Ridgecrest on Highway 395.

The area was named for the rich Rand Mines of South Africa and looks much as it did at the turn of the century when the mines were flourishing and as many as 4,000 persons occupied the communities.

In 1895, gold was discovered at the site of the Yellow Aster mine, which resulted in the boom towns of Randsburg and Johannesburg. Jo'berg, as Johannesburg is often called, was a stopover for a stagecoach run. Located there were the homes of many of the miners of that day.

To be found in Randsburg is a museum containing relics, mineral samples, memorabilia of the bygone mining era, and artifacts of the local area. In addition, an old stamp mill and many picturesque buildings are to be found there. The town has furnished subject matter for numerous paintings by local artists and antique stores and stores of interest to collectors of old bottles and sun-colored glass also can be found there.

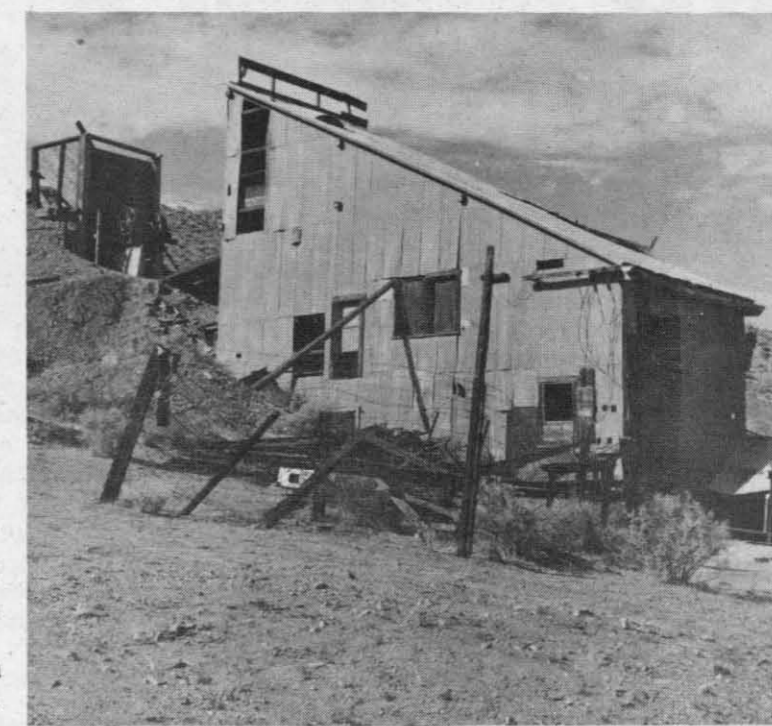
Red Mountain, born in 1919 following a rich silver strike, was first called Osdick, after the owners of the nearby stamp mill. Activity dwindled, but many one- and two-man shacks are still there, and some highway businesses mark the once-thriving settlement.

Atolia became a center for the mining of a rich tungsten ore, scheelite, during World War I, and in 1919, horn silver was discovered which led to the development of the Kelly Mine.

Garlock, which may be reached by turning west from Highway 395 about 4 miles north of Johannesburg, was an important supply center for the Rand Mining District. Water from wells in Garlock was hauled south and ore was brought north to be processed, until a railroad spur was built from farther south to Jo'berg.

A museum and souvenir shop is located in Garlock, where tourists may make a purchase, and there are still some buildings standing from the days of the town's activity. In addition, some mining is still carried on in the area.

The entire Rand Mining District is dotted with mine shafts and



REMNANTS OF BOOMING PAST—This old building is typical of the picturesque remnants of past mining activity to be found in the Rand Mining District. Located in Randsburg, the building is "off limits" to tourists, but many other interesting sights, including a museum, several antique stores and other colorful old buildings are appreciated by visitors to the old town. The cool autumn days coming up would be perfect to explore these relics of California's past.

sightseers are cautioned to be extremely careful when wandering through the area. Also, most of the property is posted with "no trespassing" signs, and some of the mines are still being operated on weekends by their owners.

From 1895 to 1915, approximately 100 mines were operating in this area, and the shafts, some

boarded over and covered up, still exist, just waiting to capture an unaware tourist.

During the 47 years of the Yellow Aster's operation, more than \$16 million profit was realized by its operators, making it one of the highest producing gold mines in the world at the time.

Bomber Now War Memorial...

(Continued from Page 1)

Defense Minister; C. Y. Kim, a former Defense Minister; T. S. Yang, Mayor of Seoul, and K. C. Chi, director of the UN Korean War Allies Association, Inc. (UNK-WAA).

The U.S. was represented at the ceremony by Lt. Gen. R. N. Smith, U.S. Air Force.

Before leaving the Naval Weapons Center, ownership of the B-29 that was earmarked for donation to the Republic of Korea for the purpose of educational display, was transferred by the Navy back to the Air Force at Wright-Patterson AFB, and it was the Air Force which donated the old aircraft to the U.S. ally.

Because of its size, the huge bomber had to be disassembled into 18 parts prior to shipment

from Long Beach to Korea in early May, and the job of rebuilding (which took 39 days) began on June 3 after it reached the Korean port of Incheon.

The old plane, worth about \$600,000 was donated to the United Nations War Allies Association with the approval of the U.S. State Department. It is the fourth such aircraft to be placed in war memorials around the world.

Lecture Scheduled

An introductory lecture on the benefits of Transcendental Meditation will be given by Connie Andersen, teacher of the technique, next Thursday, Sept. 14, at 8 p.m. in Room 7 of Pierce School.

All interested persons are invited to attend this lecture.



ELECTRIC HOIST INSTALLED — Military personnel and their dependents wishing to make use of the facilities at NWC's Auto Hobby Shop will now find their work eased by the recent installation of an electrically-operated hoist. Shown at the controls of the new hoist is Chief Richard Smith, manager of the Auto Hobby Shop, while Gabe Imer, head of Special Services, looks on as John Bitner, the shop's assistant manager, has his car elevated for a look at the vehicle's exhaust system. Before installation of the electric hoist, the west side of the outside parking area at the Auto Hobby Shop was resurfaced.

Activity-Filled Summer Reported by Sea Cadets

Members of Naval Sea Cadet Corps VX-5 Squadron have had an activity-filled summer. Open to boys in the 14 to 18 age range, the squadron has activities designed to give them a taste of Navy life.

Summer activities included a tour in British Columbia, boot camp in San Diego and a cruise off the coast of Alaska.

From June 30 to July 20, five local Sea Cadets participated in a Canadian-American exchange tour. Billeted at Her Majesty's Canadian Station Quadra, in Comox, British Columbia, located on Vancouver Island, the boys participated in patrols, drilled and toured the countryside.

Those participating in this trip were Kurt Becker, Duane Foster, Randall Brown, Ronnie Martin and Jerry Thomas.

Another activity in July saw ten boys in San Diego at the Navy Training Center for two weeks, July 16 through July 28, at boot camp. This group was composed of George F. Burdick, Daniel T. Carter, Samuel R. Hansen, John D. Mertz, John P. Phillips, Guy E. Potter, Michael P. Schultz, Raymond C. Smith, Michael E. Stallings and Steve W. Vernon-Cole.

In addition, one local Sea Cadet, Vaughan B. Corbridge, attended boot camp at Seattle during

Servicing Of Gas Heaters For Winter Begins

The Housing Office announced this week that Public Works craftsmen have started servicing gas heaters in several housing areas in preparation for the winter season.

During the period between Sept. 11 and Nov. 3, gas heaters will be serviced in the Old Normacs, LeTourneau, Hawthorne and Wherry housing areas.

Residents of those areas who do not wish the craftsmen to enter the premises when the tenants are not present are asked to contact the Public Works Trouble Desk by calling Ext. 3771.

Permission to enter will be assumed if no notification is received.

August. On Aug. 5, ten local youths, accompanied by Lt. Richard V. Schultz, NSCC, departed from Seattle with a destroyer flotilla for Ketchikan, Alaska. They cruised in the Bering Straits on destroyer escorts USS EVANS DE1023 and USS BRIDGET DE1024 until Aug. 18.

Those taking this tour were Kurt Becker, Richard J. Hardy, John D. Mertz, Chuck T. Morgan, Guy E. Potter, Allen W. Schultz, Michael P. Schultz, Raymond C. Smith, Michael E. Stallings and Steve W. Vernon-Cole.

One Sea Cadet, Allen W. Schultz, also attended Marine boot camp at Camp Pendleton this summer as part of the Devil Pup program.

Another local Sea Cadet, Duane Foster, recently joined the Navy. He has qualified for special training in the nuclear area.

The Sea Cadets also participated in the change - of - command ceremony on Aug. 25 when Capt. Edwin M. Crow relieved Capt. Carl "Tex" Birdwell, Jr. as Commanding Officer of Air Test and Evaluation Squadron Five (VX-5).

The Sea Cadet squadron joined in the personnel inspection carried out by the incoming and outgoing Commanding Officers of VX-5. In addition, Rear Adm. William J. Moran presented Capt. Birdwell with a plaque from the Sea Cadets in appreciation of his effort and support of the squadron as Commanding Officer of the Sea Cadets' parent organization.

Commanded by Cdr. George Burdick, USN Ret., the Sea Cadet unit meets once a month throughout the year for weekend drills. Activities include close order drill, as well as swimming and lifesaving training and instruction on the rifle range. These and other events throughout the year involve the active help of about a dozen adult volunteers.

HIGHER NAVY BUDGET

President Nixon asked for \$1.65 billion for the Navy in FY-73. The money requested is for research on the Undersea Long Range Missile System (ULMS); the conversion of 31 Polaris subs to the multiwarhead Poseidon missile; and newer ships.



LONG JOURNEY ENDED—A trip that began in a surplus aircraft scrap yard at the Naval Weapons Center ended recently in Seoul, the Republic of Korea's capital city, for this B-29 Superfortress, which is now featured as part of a war memorial exhibit there. Cut into 18 sections for shipment across the Pacific, the giant aircraft (which dwarfs the figures of three Korean onlookers at right) was reassembled in Korea where bombers such as this played a part in the Korean War.