

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 to 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.

"TWIN'S 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 niece, 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

nwc rocketeer

Naval Weapons Center
China Lake
California

Vol. XXVII No. 36

Sept. 8, 1972

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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

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.

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

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.

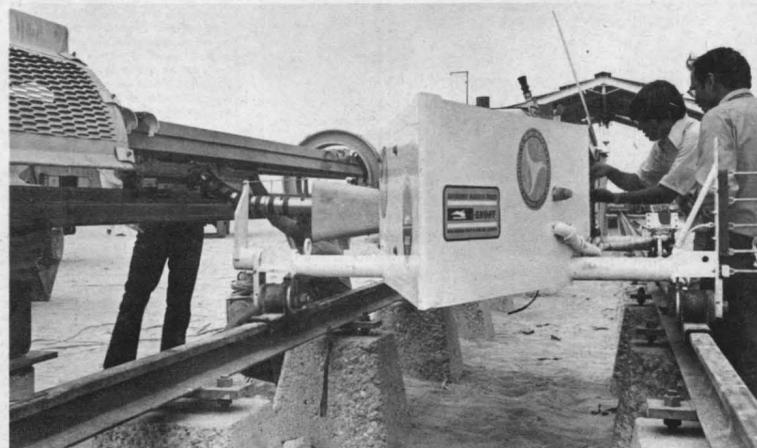
A no-host social hour will precede the 7 p.m. building dedication ceremony, and dancing to music of Don McNatt and his New Country Sounds, who will back up the evening's star performers, will round out the evening.

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).

The TACRV, built by Grumman Aircraft, will use a Linear Induction Motor (LIM) to achieve speeds up to 300 miles an hour. This power system will transfer continuous power from track-side to the vehicle as it speeds on its way.

A unique High Speed Ground Test Center is under construction near Pueblo, Colo. Incorporating several oval tracks, the DOT facility will enable the department to test many types of high-speed and conventional equipment and vehicles in a wide variety of weather and terrain conditions. An initial 6.2 miles of track has been built and now is being used for testing of the LIM.

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, Next Pay Raise Delayed to Jan. 1

As anticipated, the next military pay raise has been delayed from this October to January 1 of 1973, according to the weekly newsgram 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.

W. J. Moran

RA. W. J. Moran
Commander, NWC



NEWCOMERS' FASHION SHOW—Looking fetching in stylish outfits from Gaylynn's Clothesline are (left to right) Judy Leckey, Marilyn Koelsch, and Donna La Borde, all members of the Newcomers Club of Indian Wells Valley and all models for the club's upcoming fashion show.

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 2649.

Accounts Maintenance Clerk, GS-520-3 or 4, PD No. 717800, Code 1742—Receives and processes purchase documents. Validates outstanding vouchers and outstanding accounts payable for assigned segment of accounts.

Clerk-Typist, GS-322-3 or 4, PD No. 7218001, Code 186—Provides general clerical support to the personnel of the Aircraft Maintenance Department at NAF. Incumbent acts as receptionist, directs incoming mail to appropriate divisions within the department, prepares official correspondence, and maintains office files.

Administrative Assistant, GS-341-6, PD No. 7255120, Code 554—Provides assistance in the areas of fiscal, procurement, equipment and personnel to meet the requirements of the Division. Minimum Qualification Requirements: Outlined in CSC Handbook X-118.

Mechanical Engineering Technician, GS-802-5, 6, or 7, PD No. 7255098-1, Code 524—Previously advertised for Code 524-545-prior applicants need not reapply. Trainee to become gyro specialist in various phases of gyro assembly. Work will be done in clean room environment.

Electronic Engineer, GS-855-12 or 13, PD No. 7240195, Code 404—Defines and designs navigation systems for advanced aircraft. Conducts application analysis and synthesis, broad system requirements analysis, and defines systems and subsystems to meet the requirements.

File applications for above with Elizabeth Soderberg, Bldg. 34, Rm. 206, Ph. 2676.



RECEIVES QUALITY STEP INCREASE—Capt. T. R. Hendershot, NWC Director of Supply, presents a QSI to Ida Peterson, a contract specialist in the Purchase Branch.

Protestant Congregation To Begin Fall Schedule at Sunday School

The fall program of Sunday School for the Protestant Congregation of All Faith Chapel will begin this Sunday at 9 a.m. Classes are held in the Annexes across from the Station Restaurant.

New material has been obtained and classes will be offered for all grades from pre-school through adults. The high school class meets in Annex 95.

A change in time for several Chapel activities will go into effect this Sunday. Sunday School will now be held from 9 to 9:45 a.m.; Protestant Worship will be held in the Chapel from 10:15 to 11:15 a.m., and the last Catholic Mass will begin at 11:30 a.m.

Desert Empire Fair Schedule

Saturday, Sept. 9 9:00 a.m. - 1:00 p.m. - Foodstuff Exhibits only accepted for competitions at the new exhibit building

Monday, Sept. 11 Pepsi Party for Little Miss Desert Empire Fair contestants

Wednesday, Sept. 13 Official Open Hours 5 to 10 p.m.

Thursday, Sept. 14 Official Open Hours 5 to 10 p.m.

Friday, Sept. 15 Official Open Hours 5 p.m. to Midnight

Saturday, Sept. 16 Official Open Hours 1 p.m. to Midnight

Sunday, Sept. 17 Official Open Hours 1 p.m. to 10 p.m.

2:00 - 6:00 p.m. - Horse Show, Equestrian Arena, east end of fairgrounds

7:30 - 8:30 p.m. - Cactus Squares, Square Dancing, on stage

8:00 - 10:00 p.m. - Horseshoe Tournament Play-offs, horseshoe pits

10:00 p.m. - Attendance Drawing, on stage

Employee In The Spotlight

"If I had a job as a worker on an assembly line, I would probably go home each night and paint to satisfy my creativity urge. But, I satisfy this urge each day in my job as a motion picture writer-director-producer, so my painting lags," said Larry Zabel, artist, adventurer and an employee in the Documentation Branch of the Propulsion Development Department.



Larry V. Zabel

The love of adventure has played a large role in Larry's life. During his college years he worked in a lead mine in Superior, Ariz., "... just for the excitement."

Larry was born in Deer Creek, Minn., but moved to Anaheim, Calif., when he was eight years old. He received his high school diploma from Anaheim Union High School and entered the U.S. Navy. He served aboard the USS Bon Homme Richard and the USS Valley Forge and also spent a year stationed on the Island of Guam.

While I was at Guam I had a lot of free time so I began painting," he recalled. Larry had done a lot of drawing and sketching in his early years, but got away from art when he became a teenager. He decided to pursue a career in art while still in the Navy and after his discharge he attended Fullerton JC, the University of California at Santa Barbara, Mexico City College (now called the University of the Americas), and was finally graduated from Long Beach State College with a Bachelor's degree in education, with an art major.

While a student in Mexico City, Larry joined an anthropology group studying the ancient Mayan civilization. "I did a lot of sketches of things and places that a camera couldn't record," he said. "Dark corners, places too narrow to set up photographic equipment, things like that," he elaborated.

After his graduation in 1956, Larry went to work for Douglas Corp. in Tulsa, Okla., as an illustrator. He left after six years

to become the art director for Gordon Genge, Inc., in Ridgecrest. In 1966, Larry joined the work force at NWC as the branch head for Code 4013 in the Technical Services Division of the Weapons Development Department.

In 1967, Larry was invited to join the Navy's Combat Art program by Rear Adm. Henry Miller, Chief of Naval Information.

He accepted and soon took a trip to Vietnam. "I flew on 19 different aircraft that first trip," Larry grimaced. The purpose of his trip was to do a series of sketches on the Navy's involvement in Southeast Asia. "I was constantly flying, and sometimes we (the pilot and Larry) were involved in actual combat. But what was so funny," he continued, "was that I never even knew about it (the being fired on) until after we had landed."

He made another trip to Vietnam in January, 1969. Sixteen paintings, the most contributed by any artist in the program, sprang from the two visits.

The paintings are permanently hung at the Gallery in the Washington Navy Yard. However, they are frequently taken on tour of the nation and abroad at the request of universities, civic and military organizations.

Larry has received some recognition from this, but that was not his reason for joining the program. The old adventure bug bit him and he took on the assignments "just for kicks."

As an outgrowth of the two trips, Larry has since been invited to give 87 different presentations to various civic, military and educational groups.

"Artists in the program are sent out on intermittent assignments to record significant Navy involvement. It doesn't have to be a war," he pointed out. "It could be involvement in a scientific mission, exploration, anything like that," he added.

Larry has other hobbies, fishing and hunting mainly. "My wife, Sharon, and I do the hunting and fishing thing together," he explained. "She's my partner, and we really enjoy it."

The Zabels own a "ranch" located in the Walker Pass area and Larry finds much of his time taken up by planning, building and restoring the place in order to ready it for occupancy "real soon."

His four children—Christi, 15, Rebecca, 12, Steve, 6 and Jon, 3—also occupy much of his time.

He still paints, but it's mostly done "on deadline." "I have to be pressured, it seems," he said. "I work better under a deadline."



BRYANT RECEIVES PATENT AWARD—F. A. Chenault, head of the Systems Development Department, congratulates Kenneth O. Bryant upon his receipt of a patent award for a programmable 20-bit pseudorandom generator. Bryant perfected the generator in the course of his work as head of the Weapon Control Branch in Code 30. Since then, he has transferred to the Electronic Systems Department. Bryant's invention generates allowable combinations of pseudorandom and jitter percent, with a program selector means for inspecting the output of the selector for unwanted codes.

Hail and Farewell

For the month of August 1972. NEW ARRIVALS-CIVILIAN Code 12—Richard Wollmerhausen; Code 25712—Dolores I. Bork; Code 29911—Dennis B. Wegener; Code 3023—Kenneth W. Bailey; Code 3042—William D. Nurnberger; Code 3507—Donald E. Gahn; Code 3522—Mayer Freedman; Code 3524—Larry R. Collins and Donald D. Paolino; Code 405—Robert Winterbourne; Code 4056—John P. Rahn; Code 407—Charlotte M. Bishop; Code 4533—George D. Cherry; Code 4552—Gary W. Oldfield; Code 5011—Richard E. Bury; Code 5042—Darryl E. Hinman and Michael D. Ralles; Code 5043—Richard L. Baty; Code 5517—John A. Martin; Code 5523—Carol J. Alexander; Code 5532—Daniel W. Long; Code 5545E—Gerard M. Kersten; Code 5545F—Carl E. Schaefer; Code 5561—William E. Sake; Code 5562—Edward P. Gehard; Code 5723—Robert Wiley; Code 573—Robert A. Harriman; Code 6022—Edward E. Hindman; Code 603—Michael K. Stringham; Code 6521—Teresa A. Carter, Lola J. Fulks, Janis M. Takahashi and Charlene C. Yeatts; Code 6561—Jerry L. Macy; Code 7038—Phyllis J. Dame; Code 70411—Ray J. Townsend; Code 70412—Robert W. Clinton and Charlie H. Westbrooks; Code 70422—Ray L. Storm; Code 70431—Orvil L. Parlet; Code 70432—Ralph D. Collins; Code 70433—William E. Devers and Marvin Hunter; Code 7511—Lyndon R. Duckworth; Code 7513—Freddie C. Washington; Code 8402—Pamela L. Nyberg; Code 8514—James B. Jones.

DEPARTURES-CIVILIAN Code 3021—Nils D. Wagenhals; Code 3041—Julian L. Thompson; Code 3507—Maurice D. Bowers; Code 3512—Nancy J. Brush; Code 404—Lynn M. Sword; Code 4043—John J. Isenhower; Code 4534—Kenneth R. Sappington; Code 4543—Wesley P. Watson; Code 5532—Joseph D. Roberts; Code 5713—Neil K. Jacobs; Code 605—Melvin H. Miles; Code 6051—Carl H. Asbury; Code 7035—Richard T. Ruotsala; Code 70412—Max W. Dotson; Code 70414—Harold J. Bobryk; Code 70421—Jimmy R. Dabbs; Code 70432—Robert A. Basart; Code 70433—Delbert L. Dougherty; Code 705—Doris W. Latroun; Code 8423—Lowell L. Freese and Paul B. Lancaster; Code 843—Jake W. Josey. NWC OFFICERS New Arrivals—Code 145—CWO2 Gerald A. Dunn; Code 2501—Cdr. Richard B. Nygaard. Departures—Code 84—Lcdr. Robert M. St. Germain. NWC Enlisted Personnel Departures—SD3 Conrad F. Maranon.

VF-5 OFFICERS New Arrivals—Code 90—Capt. Edwin M. Crow; Code 910—Lcdr. John J. Schultz; Code 9011—Lt. Gary J. Eklund. Departures—Code 90—Capt. Carl Birdwell, Jr.; Code 9031—Lt. Marshall Perrone. VX-5 Enlisted Personnel New Arrivals—AEAN Jeffrey D. Summey, ADJ2 Mark F. Boudah, AN Danny D. Adams, AE2 James E. Schuessler and ADJAA Michael A. Tallent. Departures—PN1 Danny J. Farrell, SA Paul J. Duda, AZAN James B. Rodriguez, AN Louis S. Brown, AQ3 Robert E. Fay, AZ2 William C. Overstreet, AT2 Paul M. Holt, AO3 Dennis L. Bowman, and AE3 William C. Murray. NAF OFFICERS New Arrival—Code 186—Lcdr. Donald I. Barton. Departure—Code 187—Lcdr. Everett Macaskill, Jr. NAF Enlisted Men New Arrivals—AMSAA Steven E. Prose; ADJ2 Kenneth T. Tinker; AT2 Paul G. Loy; GAG1 Robert J. Lorden, AR Ivan H. Harrison, AG1 David L. Eaddy, ACAA Jeffrey L. Peterson, AQAN Edward E. Watson, ADJAA Rulon K. Cummings, AQ1 Ronald E. Hansen, AR Terry L. Cunitz, ADJAA Eugene L. Standfill, AR Delton L. Smith, AR Rosaura C. DeLeon, AR Marcelino R. DeLeon, AR Ernesto N. Eusebio, AR Harry A. Wolters and ACAA William A. King. Departures—AME2 Frederick E. Summers, AE1 Raymond F. Brown, AT2 Dennis A. Meek, AO2 Jarvis D. Owens, ABE2 James A. Arabian, AT3 Gordon E. Babbitt, AEAN Norman L. Hogg, AE2 Roy K. Holt, ABH1 James W. Linder, ABFC James A. Byrley, AZAN David G. Strubbe, AT2 Willis B. Anderson and AA Joseph V. Skerkavich.

COM Swimming Pool To Close on Sept. 17

Officers' Club members are reminded that Sunday, Sept. 17, will be the last day the swimming pool will be open this season at the Commissioned Officers' Mess (Open). The pool will re-open for members' swimming enjoyment next spring.



20 YEAR NWC AND FEDERAL PINS AWARDED—Ten employees of the Systems Development Department were presented 20 year NWC and Federal service pins during a recent awards ceremony at Michelson Laboratory. Awardees are (l.-r., back row) John S. Ward, Donald Grasing, Richard D. Finch, Harry L. Devereaux, Robert D. Coleman and Arthur E. Bittel, and (front row, l.-r.) Paul E. Payne, Janet E. Long, Mary J. Johnson and Marian L. Harwell.

Housing Assignments

Following are the housing assignments for the month of August.

Two B.R. Old Duplex Nurnberger, GS-12; Kissick, GS-12; Pease, GS-9; Stewart, ES; Pickett, GS-11; Blanton, GS-11; Markel, GS-11; Giles, GS-9; Stringham, GS-9; Mathews, GS-9.

Two B.R. Old Duplex Large Back Porch Bauer, GS-14; Kinsey, GS-11; Winterbauer, GS-11; Duckworth, GS-11; De Rosa, GS-9; Ebersberger, GS-9; La Bonte, WG-13; Collins, WG-10.

Two B.R. Hill Duplex Grasing, GS-12; Gebhard, GS-12.

Three B.R. Hill Duplex Alpers, GS-16.

Two B.R. JOQQ Graves, 04; Barton, 04.

Three B.R. Panamint Spane, 04; Schultz, 04; Swift, GS-15.

Four B.R. Panamint Dipasquale, GS-13; Blecha, GS-13; Gagliardi, GS-13.

Two B.R. Wherry Law, GS-7; Hartman, GS-7; Waldon, GS-7; Vallejo, ES; Sanchez, ES; Carpenter, GS-7; Moulderhouer, GS-7; Packer, GS-11; Bouda, ES.

Three B.R. Wherry Privett, WB-10; Cutsinger, GS-11; S. Sgt. Schuman, GS-11; Devers, WG-10; S. Sgt. Williams; Douglas WG-10; Devers, WG-10; Baker, WB-10; Emeret, E6; Lynch, GS-10; Peterson, WB-10; Lorden, E6; Nakashi, GS-7.

Four B.R. Wherry Holmby, E6; Taylor, GS-11; Bennett, E6.

Three B.R. Juniper Lt. Eklund; Arcalas, E6; Lt. Sherman.

Three B.R. Yucca M-Sgt. Walker, Gahn, GS-12.

Geymore, GS-11; Carr, GS-11.

"O" Apartment Lange, GS-11; Pilcher, GS-12; Ayler, GS-9; White, GS-9.

Two B.R. Normac Eodice, E3; Smith, WG-3; Beebe, GS-5; Ellison, E3; Mendenhall E3; Walker, E3; Fox, E3; Reid, WG-3; Nelson, E4; Nyberg, GS-5; Chorbagan, E4; Baugh, E3; Bliss, E4; Clark, Jr., WG-4; McGlothlin, WG-5.

Two B.R. LeTourneau McCrary, WG-3; Kruse, WG-3.

Two B.R. Apartment Bargus, WG-10; Richardson, GS-4.

One B.R. Apartment Beeler, GS-12; Knight, GS-12.

One B.R. Motel Belisle, GS-13; Devaraux, GS-13; Hurtt, GS-13.

Four B.R. Hawthorne Smith, WG-10; Whisman, GS-5; Redcliff, WG-3.

Contract For Street Repair Work Awarded

A contract for street and road repair work throughout the Naval Weapons Center, including the range areas, was awarded this week to the Desert Construction Co. of Victorville, Calif.

The work of repairing asphaltic concrete roads will cost \$289,100, and is to be started within the next 30 days. The contract calls for completion of this work by Jan. 17, 1973.

Center Library Lists New Books

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

- FICTION Ballinger—The Carrion Eaters. Baxt—The Affair at Royalties. Brackenbury—A Day to Remember to Forget. Davidson—The Quest of Juror 19. Douglas—In the Fullness of Time. Dunnett—Match for a Murderer. Elkin—The Dick Gibson Show. Graham—The Wrath of God. Green—Faking It. Knight—A Pocketful of Stars. Lange—Binary. Mills—Report to the Commissioner. Nathanson—The Dirty Dozen. Quoquogem—Bound to Violence. Randall—You Get Used to a Place. Spillane—The Erection Set. Tourneur—Ogre. Twain—The War Prayer. Zelazny—The Doors of his Face, the

Lamps of his Mouth.

NON-FICTION Alkema—The Complete Crayon Book. Blumfield—The Modern Metropolis. Curtis—The Case for Extinction. Douglas—America in the Market Place. Elsborg—Papers on the War. Goldsby—Race and Races. Koestler—The Case of the Midwife Toad.

Kreighbaum—Pressures on the Press. Leydel—Time and the River Flowing. Linn—Psychiatry and Religious Experience. Mintz: America, Inc. Morris—Creative Metal Sculpture. Pearson—Those Damned Rebels. Peirce—The Megastates of America. Ravenal—Peace With China?

Rheims—Flowering of Art Nouveau. Riebel—How To Write Successful Business Letters. Sarvis—A Taste of Portugal. Scheinfeld—Hereditry in Humans. Shoyan—What Your Hands Reveal. Smith—Report From Engine Co. 82. Taylor—War by Time Table. Young—Bridges for People Who Don't Know One Card From Another.

Mechanical Engineering Technician, GS-802-5, 6, or 7, PD No. 7255098-1, Code 524—Previously advertised for Code 524-545-prior applicants need not reapply. Trainee to become gyro specialist in various phases of gyro assembly. Work will be done in clean room environment.

File applications for above with Mary Morrison, Code 457, Rm. 210, Ph. 2032.

Administrative Assistant, GS-341-6, PD No. 7255120, Code 554—Provides assistance in the areas of fiscal, procurement, equipment and personnel to meet the requirements of the Division. Minimum Qualification Requirements: Outlined in CSC Handbook X-118. Job Relevant Criteria: Bachelor's degree highly desirable. Must have composition ability and the experience required to prepare reports and summaries pertaining to production control and a thorough functional understanding of the accounting system used.

File applications for above with Joan Macintosh, Code 657, Ph. 2371.

Communications Clerk, GS-394-3, PD No. 6985027, Code 854—This is a trainee position. Duties include clerical duties in the Telephone Operators and Records Branch. Other duties include collecting and compiling data for various reports used locally and for higher authority. The incumbent reviews requests for telephone changes and recommends the system which will provide the best service for the areas concerned. Job Relevant Criteria: Ability to work independently. Must be able to type. Advancement Potential: GS-4.

File applications for above with Dora Childers, Code 657, Rm. 212, Ph. 2514.

Electronic Engineer, GS-855-12 or 13, PD No. 7240195, Code 404—Defines and designs navigation systems for advanced aircraft. Conducts application analysis and synthesis, broad system requirements analysis, and defines systems and subsystems to meet the requirements. Performs preliminary (hot mockup) system design, planning and supervising aircraft flight test and other evaluations of systems and subsystems, all related to complex aircraft avionics systems. Job Relevant Criteria: Extensive experience in aircraft and inertial navigation. Background in analysis, instrumentation, synthesis, and integration of radio, inertial, and doppler DR systems. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

File applications for the above with Elizabeth Soderberg, Bldg. 34, Rm. 206, Ph. 2676.

Official Open Hours 5 p.m. to Midnight

Official Open Hours 1 p.m. to Midnight

Official Open Hours 1 p.m. to 10 p.m.

The Rocketeer Official Weekly Publication Naval Weapons Center China Lake Lake, California RADM. W. J. Moran, USN NWC Commander

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

ROMAN CATHOLIC MASS Saturday 1700 fulfills Sunday obligation Sunday 0700 0830 1130

BLESSED SACRAMENT CHAPEL MASS Daily except Saturday 1135 First Friday only 1135 1700

CONFESIONS Saturday 1545 to 1645 Sunday 0800 to 0825

CCD CLASSES During School Year. Note: The Chapel Nursery is located in Chapel Annex 1, Room 4, across from the Center Restaurant and is open without charge for children of parents attending Catholic Mass or Protestant Worship Services.

JEWISH SERVICES EAST WING - ALL FAITH CHAPEL Friday 1st and 3rd ONLY Sabbath Services 2000

UNITARIANS CHAPEL ANNEX 95 PH1 D. C. Manderscher, 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. Printed weekly with appropriated funds by a commercial firm in compliance with NavExOS P35, revised July 1958. Office at Nimitz and Lauritzen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. PHONES: 3354, 3355, 2347 Sunday Services 1930



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, Dawn Wood, 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.

Gym To Be Set Up For Volleyball, Basketball

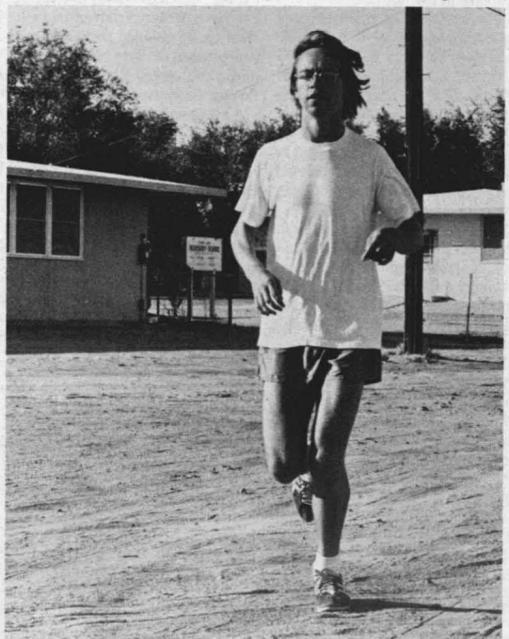
For the duration of the flag football season, the NWC gym will be set up on Tuesday and Thursday nights for the use of those interested in playing volleyball or competing in half-court basketball contests.

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

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



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.

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.

Entrants in this latter event earn points by their sale of annual memberships in the fair. These membership cards are good for admission to the fairgrounds in lieu of the regular 25 cent fee charged all those 13 years of age and over for entry onto the fairgrounds.

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

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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.

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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 AResearch 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.

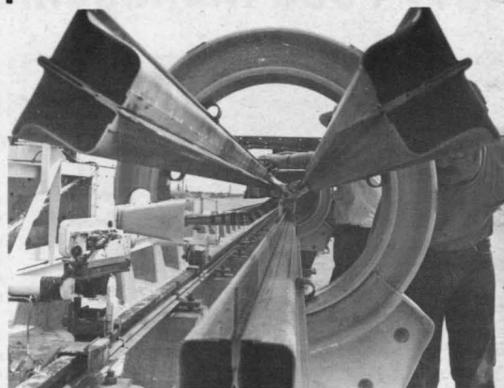
The first 1,500 feet of the track's 14,560-foot length were modified for actual test usage. The rocket sled uses some additional track to coast to a stop upon completion of a test run.

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 dynamic 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.

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.

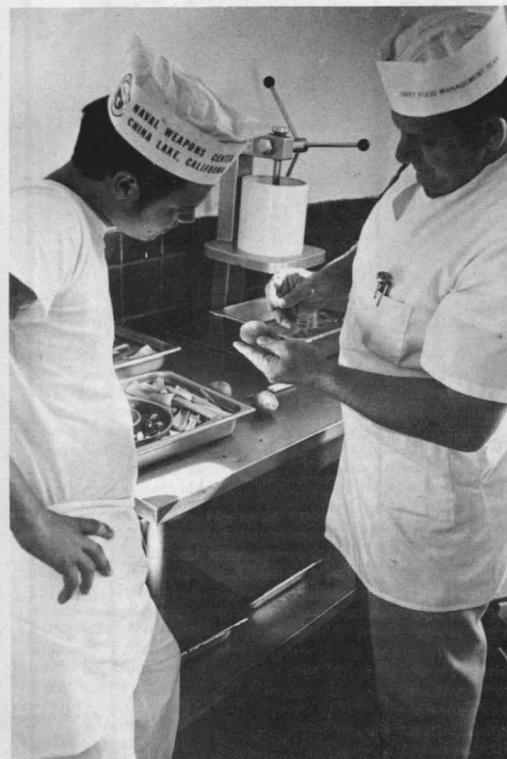
The services will be conducted by Paul Tuchman, the Hebrew Congregation's new student rabbi, in the East Wing of the All-Faith Chapel.

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 galleys 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.

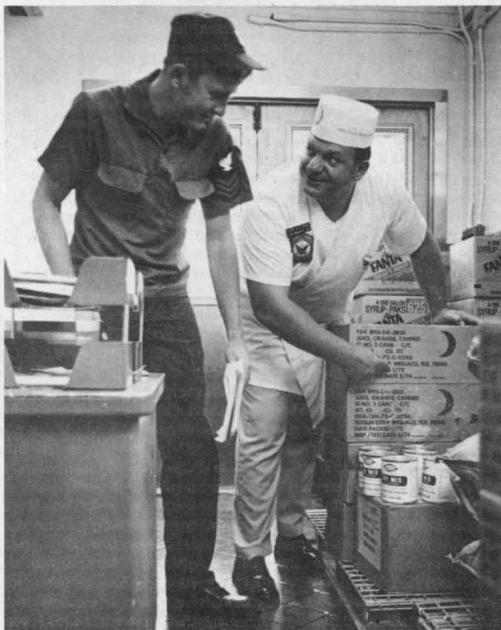
The team was composed of CSCS Donald K. Birr, CSCS Charles W. Davis, and was commanded by LCdr. I. W. Bell, Jr. During their visit (from Aug. 14 through 25) they performed training in menu planning, food preparation, food service, sanitation and care of equipment, and record keeping.

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.