



FORTY YEAR FEDERAL CAREER—Mrs. Marie Patterson places the 40-year Navy Length of Service pin on her husband, Glenn P. Patterson, during ceremonies held in Capt. J. K. McConeghy's office last week. Patterson, a Power Plant Controlman in the Utilities Br. of the Public Works Dept., began his Federal career by enlisting in the U. S. Marine Corps in 1929. After 24 years in the Marines he transferred to the Fleet Marine Corps Reserve with the rank of Master Sergeant, and began his Civil Service career at the USMC Training Center, Twenty Nine Palms, Calif., on February 1, 1954. He transferred to the NWC Public Works Dept. in November 1956 as a Heating Plant Operator.

Wildflower Festival . . .

(Continued from Page 5)

gical Society displayed various artifacts and the Indian Wells Valley Gem and Mineral Society exhibited articles made of Rhodonite from Randsburg, Death Valley onyx, petrified fig and agate from Last Chance Canyon.

Girl Scout Cadet Troop 430, under the leadership of Mrs. A. S. Etheredge, attended the reptile exhibit. The specimens were gathered by Peter Woodman, Kenneth Watson and Kenneth Pringle. Desert tortoises were loaned by K. H. Robinson. Sidewinders, a rare Rosy Boa, a Red Racer, Gopher and King snakes, Scorpions, and about ten varieties of lizards were included in the display.

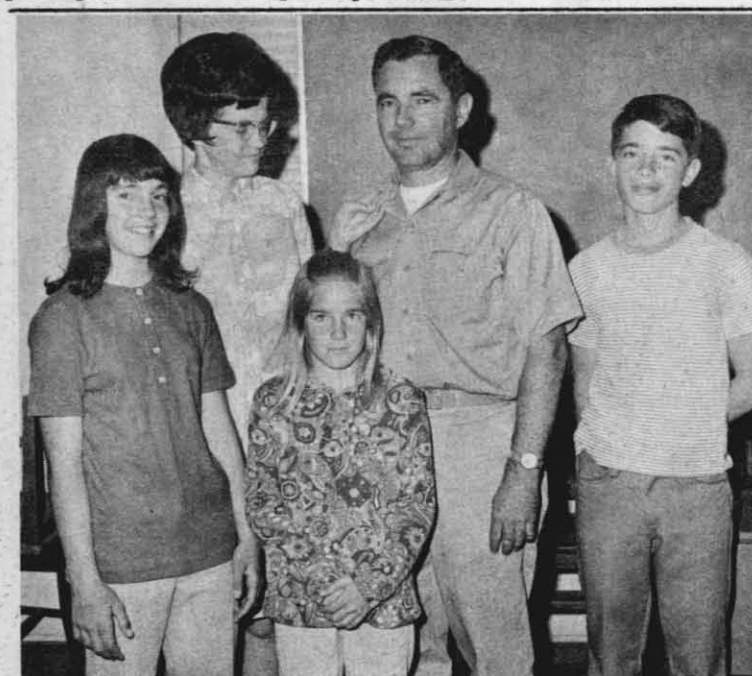
Local artists who loaned their paintings as backdrops for the bouquets were: Maxine Booty, Betty Heflin, Ruth Mayer, Joyce Seibold, Capt. K. C. Abplanalp, Berneice Abplanalp,

Loyal Mayer, Francilu Hansen, Margaret Mack, Lorraine McClung, George W. Wallace and Beth Wallace Allen, Lorna Charlton, Wilma Keagan, Ruth Hein, Merle Rivette, Mildred DeHarrold, Mary Polk, Pat Livingston, Leota Brady, Paul Neipp, Don Armentrout, DeLores Hoffman, Ida Davis, Kay Hunnel, and Jennie Olson.

Mrs. Anne Etheridge, Chairman of the Festival, expressed her appreciation to all the very able supporters whose assistance and long hours of work assured the success of the event.

Out-of-town visitors included Capt. and Mrs. William W. Hollister, USN (Ret.)—former Commander of NWC from 1957 to 1961.

The William Fetterkether Bristlecone Pine print was won by Barbara Crater, wife of Cdr. George H. Crater of NAF.



SEABEE PROMOTED—Lcdr. Richard D. Malone, Commanding Officer of local SeaBee Unit 11-2 was promoted to the rank of Commander during ceremonies held last week at the Sea Bee Headquarters Building on the Center. Attending the ceremonies were Mrs. Malone, who pinned the silver oak leaves on her husband, and the Malone children, (l-r) Barbara, Kathy, and Bob.

SHOWBOAT

MOVIE RATINGS FOR PARENTS AND YOUNG PEOPLE

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

GP ALL AGES ADMITTED
Parental Guidance Suggested

R RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

X NO ONE UNDER 17 ADMITTED
(Age limit may vary in certain areas)

ALL G, GP, R, AND X FILMS RECEIVE THIS SEAL OF THE MOTION PICTURE CODE OF SELF-REGULATION

FRIDAY MAY 1
"THIS SAVAGE LAND" (98 Min.)
Barry Sullivan, Kathryn Hayes
7:30 P.M.

(Western/Historical Drama) It was the last frontier and it took a special breed of man to tame the roving guerrillas who tried to keep them from homesteading in Kansas. (G)

Short: "The House That Jack Built" (10 Min.)

SATURDAY MAY 2
—MATTINEE—
"AROUND THE WORLD IN A DAZE" (93 Min.)
The Three Stooges
1:00 P.M.

Shorts: "Norman Normal" (7 Min.)
"Frank & Jesse James" (No. 10, 13 Min.)

EVENING
"WHERE'S JACK?" (119 Min.)
Tommy Steele, Stanley Baker
7:30 P.M.

(Drama) He was so cunning in picking locks that he could almost steal the jail. (G)

SUNDAY-MONDAY MAY 3-4
"THOSE WERE THE HAPPY TIMES" (120 Min.)
Julie Andrews, Richard Crenna

(Musical/Drama) The lilting biography of the dazzling Broadway star Gertrude Lawrence, is set in the rip-roaring, extravagant 20's as this lavish tale follows her rise to fame and fortune. (G)

TUESDAY-WEDNESDAY MAY 5-6
"TOPAZ" (126 Min.)
John Forsythe, Dany Robin
7:30 P.M.

(Drama) Alfred Hitchcock tells of a Russian defector and an American agent who employs France's top agent in an attempt to unravel a complicated chain of data about Russian missiles in Cuba. (GP)

THURSDAY-FRIDAY MAY 7-8
"ME, NATALIE" (111 Min.)
Patty Duke, James Farentino, Elsa Lanchester
7:30 P.M.

(Drama) She was just a Plain Jane ugly duckling until she found her inner beauty, and romance, in Greenwich Village. (GP)

Short: "Pink Outs" (7 Min.)

Catholic Fashion Show May 3

The Catholic Fashion Show and Luncheon, "Patterns for Spring," will be held this Sunday, May 3, in the East Wing of the All Faith Chapel.

The event will feature more than 20 models showing their hand-sewed spring costumes with a view towards giving homemakers ideas for spring sewing.

The chicken salad luncheon will be catered. Tickets are \$2.50 and can still be reserved by calling Mrs. Lou Mello at 446-4078.

Adding to the occasion will be musical entertainment, door prizes, and a custom made, hand-crocheted dress for the winner.



MARINE CORPS PLAQUE—Col. K. P. Rice, Marine Corps Liaison Officer at NWC, presents a plaque bearing the Marine Corps Emblem to Joe Sheets, present manager of the Club Chaparral. The plaque will be displayed on the wall inside the Club next to the FRA Bell.

290 DoD Vehicles Slated For Auction Sale Saturday, May 2

A total of 290 Department of Defense vehicles and related equipment will be sold at auction at the Property Disposal Branch, Lot 371, here May 2, according to Center officials.

Registration for the sale will begin at 8 a.m. with the sale starting at 10. It will continue until all items are disposed of. Included in the 290 items are ambulance trucks, utility jeeps, cargo trucks, fire trucks, gasoline tankers, shop van trailers, tractors, forklifts, generator sets, etc.

The auction is open to the general public and all Government personnel, both military and civilian, provided they are not connected with the Disposal Branch or an agent or member of the immediate family of such employees.

An inspection period which began April 10 will continue daily except Saturday and Sundays from 8 a.m. to 3 p.m. up to the time of registration on

CLOTA Production Moves Ahead

"David and Lisa," the Community Light Opera and Theater Association's first production of 1970, is finishing up its fourth week of rehearsals in preparation for a May 22 opening.

"In general, rehearsals are progressing reasonably well," said director Ed Romero. "Right now we're at that stage when we're working on a lot of little things that don't sound important but make quite a difference in the final production."

The most recent task is the painting of the 40-foot cyclorama that covers much of the stage. The cyclorama is divided into three sections, and with each scene change, the appropriate section will be raised to reveal the new set-

From _____

TO _____

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2301 Skyview Drive
Palm Springs 92262
Henry & Susan

ROCKETEER
NWC

Vol. XXIV, No. 17 Naval Weapons Center, China Lake, California Fri., May 1, 1970



NEW RADIOMETER — A high-resolution, wide-angle microwave mapping radiometer, operating at Ka-band, has been developed by the Center's Corona Annex. The solid-state miniaturized system is used for terrain-mapping. (See page 3 for more details.)

Triennial Housing Survey Due Soon

According to the NWC Community Relations office the triennial rent survey of Center housing began last week. The survey is actually about six months past due. The delay was caused by the workload at and the reorganization of the Southwest Division, Naval Facilities and Engineering Command (SOUWESNAVFAC) at San Diego. The last rental change was made on 1 April 1967.

These triennial surveys are directed by the Bureau of the Budget. Private fee appraisers are hired by SOUWESNAVFAC to accomplish them. The appraisers check rental rates, house quality, house size, etc., in other communities such as Barstow, or Lancaster, and arrive at a comparable rent rate for China Lake homes.

Robertson expects to finish the survey and submit the results within 90 to 120 days. His report will be reviewed by SOUWESNAVFAC and approved or modified. The revised rents will then be published in an NWC instruction probably in August 1970.

Center personnel who are currently living in quarters provided by the Housing office will be kept advised regarding any change rental status.

VAdm. Kidd To Accept Combat Artwork

Sixth Annual NACAL Reception To Highlight Art Contribution

Five prominent west coast artists will be honored on May 6 when Vice Admiral Isaac Kidd, Commander First Fleet, accepts their contributions to the Navy Combat Art Program.

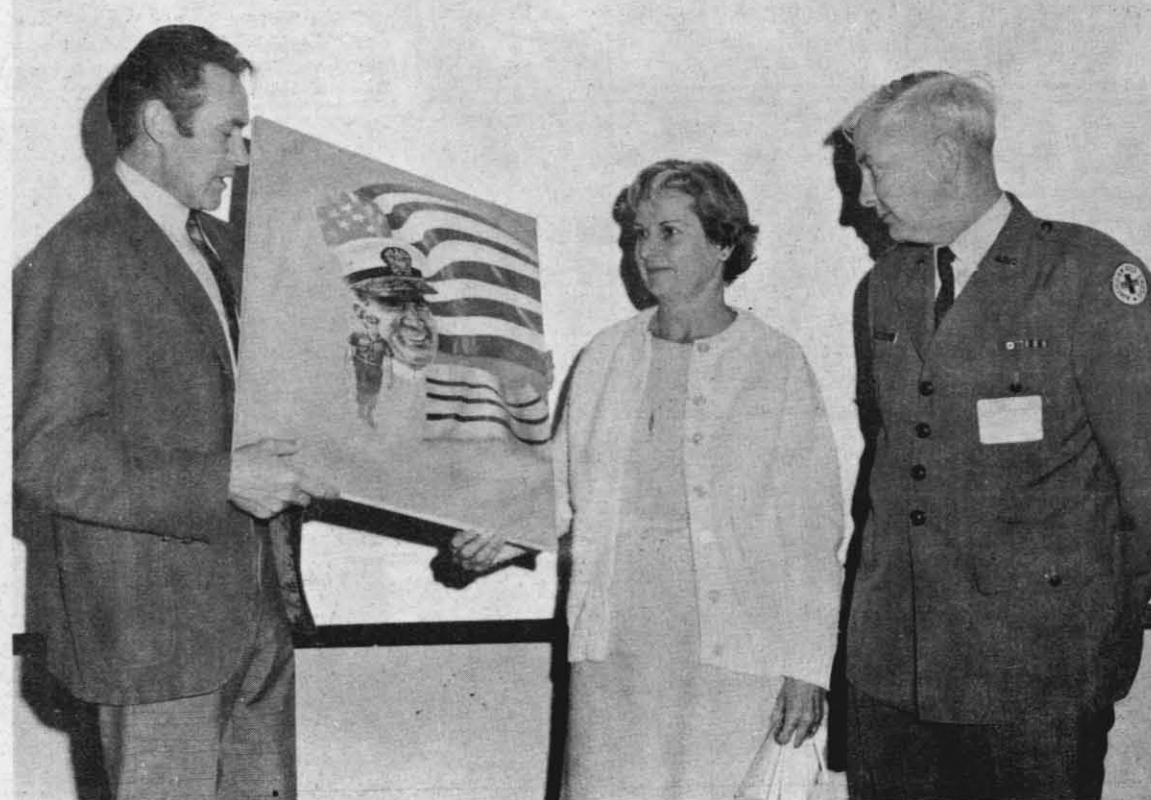
The artists who will be so honored are Joe Mast, Cliff Segerblom, Larry Zabel, John Houlden, and Robert G. Smith. The twenty-six paintings, which are the product of work produced last year in various

areas of the world where U.S. Naval Forces operate, will be on display prior to the presentation at the Sixth Annual Reception of the Navy Art Cooperation and Liaison Committee which is being held at the home of Mrs. Lucy Toberman, President of the Patrons of Art of Los Angeles.

During the reception, Vice Admiral Kidd will accept the paintings for the Navy and they will be sent to the Curator of the Navy Combat Art Program in Washington, D.C., and exhibited throughout the world.

The Navy Combat Art Program was originated in 1941 by the late Griffith Bailey Coale, a Navy Commander who, during that year, graphically portrayed the attack on Pearl Harbor in a charcoal and chalk drawing.

Since then, the Navy's Combat Art collection has grown to include over 3,000 pieces. The collection is valued at over two-and-a-half million dollars.



COMBAT ARTIST SHOWS WORK—Larry Zabel (l), one of five combat artists whose work will be accepted by the U.S. Navy Friday, May 1, shows an uncompleted painting of VAdm. E. R. Zumwalt, Jr., depicting a montage of scenes relating to the Naval Forces, Vietnam activities, to Mrs. Fred Ashbrook, chairman of Red Cross Volunteers for the Indian Wells Valley, and Dave Richards, new Red Cross Field Director at Edwards AFB. Zabel delivered a presentation on the Navy Combat Art efforts in Vietnam at the recent joint meeting of the Desert Red Cross Chapters.

Plans Finalized For Forces' Day

Former NAF Project Pilot Returns With Blue Angels

"Preparations for the 20th annual Armed Forces Day celebration, to be held May 9 at NWC, are in their final stages," according to Cdr. Barr Stevenson, of VX-5, co-ordinator of this year's event. "We think this year's celebration will be something worth seeing," Cdr. Stevenson elaborated.

Citing the theme "Forces For Freedom," Cdr. Stevenson and the Armed Forces Day Committee have prepared static displays, an airshow featuring a firepower demonstration, and other displays and demonstrations throughout the Center.

The Blue Angels will highlight this year's local celebration with a demonstration of their close formation maneuvers and combat drills. Flying in the No. 3 slot will be Lt. Jim Maslowski, who served as freefall weapons project officer at NAF before joining the Blues in the fall of 1969.



Lt. Jim Maslowski

Maslowski, a former enlisted submarine specialist, has been a Navy pilot since 1965 and flew 136 combat missions aboard the USS Enterprise before coming to China Lake and subsequently, the Blue Angels.

An accomplished F-4 pilot, Maslowski will be seen in the left wing position of the Blue Angels' famous diamond formation.

In addition to the Blue Angels, the NWC Armed Forces Day celebration will feature an airshow and firepower demonstration at NAF, special displays of weapons and exhibits at Michelson Laboratory and the Maturango Museum, films of the work and facilities at NWC, displays of antique and modern aircraft, a skydiving exhibition by the China Lake Skydiving Club, and the Boy Scouts' annual Exposition.

The NWC gates will open to visitors at 7:30 a.m. and will remain open until 4:30 p.m. During that time visitors will get a first-hand look at the U.S. Navy in action, especially dur-

ing the air show, which will begin at 9:30 a.m. at NAF.

"Because of China Lake's isolation," stated Cdr. Stevenson, "we can put on an air show that ranks with the best in the nation. Our demonstration of live ordnance is the most explosive around. This year we've scheduled the first public demonstration of the Chaparral, the Army's new surface-to-air missile," he stated.

Visitors to the Center will be given a map and official program at the gate. Ample parking and refreshment facilities will also be available on the Center.

(Continued on Page 3)

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CHAPLAIN'S MESSAGE

Hippies In Our Midst



GUEST COLUMNIST IRVIN H. THOMPSON Lt., CHC, USN

"Two thousand years ago some beautified rejects from the predominant tribe ran around the Mediterranean preaching love.

"For this they were persecuted and one of their leaders was hung on a cross by the Romans who thought they were a threat to the Roman way of life which had become selfish and obsolete.

"It proved that the Christians had the artistic vision to assimilate their mythic changes in the world's psyche and eventually marry the remnants of the Roman life.

"Eventually the mentality of greed which was the motivating force behind the Roman Empire took hold again and the Christian revolution was ruined — the Church became land owner."

Delbert L. Earisman in his book, Hippies In Our Midst, quotes the above passage from an article that appeared in the East Village Other. One wonders what the Carpenter of Nazareth who preached Love around the Mediterranean would say about the Church today.

Are we caught up in greed and materialism? Is it possible for the Carpenter to have more in common with some of the hippie communes than with the Cathedralites?

PROMOTIONAL OPPORTUNITIES

Employees are encouraged to apply for the positions listed below. Current applications (SF-171) or Standard Form 58 bringing your work history up-to-date should be forwarded as described below. The fact that positions are advertised here does not preclude the use of other means to fill these positions.

The vacancies listed below are effective from 1 to 8 May 1970.

Procurement Clerk (Typing), GS-1106-05, PD No. 7025003, Code 2522—Types, in final form: purchase orders, delivery orders, requests for quotation, requisitions, change orders, supplemental stub requisitions, blanket purchase orders, letters and memoranda. Performs miscellaneous clerical services for the branch such as time-keeping, preparation of reports and receiving visitors. Minimum Qualification Requirements: Progressively responsible experience in administrative, professional, investigative, or other responsible work which has provided the applicant with a general knowledge of one or more aspects of the supply field. The 3 years of general experience must have included at least 1 year at or above the GS-4 level, or its equivalent.

File applications for the above with Carole Cadle, Bldg. 204, Rm. 26, X-2925. Electronic Engineer, GS-9, 11 or 12, Code 4021—This position is located in the R. F. Measurements Branch, Code 4021, Anti-Radiation Guidance Division, Weapons Development Department. This position is responsible for the adequacy and accuracy of test data and the establishment of new measurement procedures and equipment originating from the Microwave Anechoic Chamber, VHF Anechoic Chamber, the component test shielded room and the Antenna Range. Minimum Qualification Requirements: B.S. Degree plus two years experience in appropriate subject matter field for GS-9; three years experience for GS-11, or one year at a GS-11 for GS-12.

File applications for above with June Chipp, Bldg. 34, Rm. 204, phone 2676. Power Plant Controlman (Intermediate), WG-54007-07, JD No. 326, Code 704—Controls the operation of one gas or oil fired steam boiler ranging in capacity from 12,000 to 20,000 pounds per hour evaporation rate and operated at 100 to 125 pounds per square inch gauge steam pressure. Also controls the operation of several small individual boilers ranging in capacity from 200,000 BTU/HR to 2,500,000 BTU/HR at steam pressures up to 75 lbs. These duties are performed to increase knowledge of the trade and develop skills for advancement to the journeyman grade. Qualification Requirement: Rating will be on the basis of the appropriate J-Element Standard in accordance with the CSC Handbook X-118C.

File applications and Supplemental Rating Forms with Dora Childers, Bldg. 34, Rm. 210, phone 2393.



"THANK HEAVEN FOR LITTLE GIRLS" is the theme of the Mother-Daughter Banquet and Fashion Show to be sponsored by the Protestant Women of the Chapel May 7, at 6 p.m., in the Community Center. Mrs. George Crater instructs youthful models (l-r) Candy Powell, Kendra Cobb, and Kris Kinkennon, who will model in the show featuring ensembles from Broadway, Bakersfield, for toddler ages to the mature woman. Tickets—\$2.75 for adults and \$1.75 for children under 12—are on sale through May 4 at the Community Center. Catering for the dinner will be done by the COM. Co-chairmen, Mrs. Wendel Powell and Mrs. Roy Cobb invite all area residents to attend the event.



15 YEAR SAFETY RECORD—William C. Danley, center, holds a certificate representing 15 years without a lost time accident in his unit. Danley is Head, Numerical Control and Mill Unit, Shop Branch, Mechanical Division, NWC Engineering Department. Danley is flanked by J. J. Deffes, left, Head, Mechanical Division, and R. D. Williams, Head, Shop Branch. —Photo by PH2 D. E. Hart



TV DONATED—Mrs. Clare Gilbertson, Service Chairman of the Chi Alpha Chapter, Beta Sigma Phi, left, shows the new TV set donated to the men's ward of the NWC Dispensary to Cdr. E. G. Graves, 2nd from left, Head, Nursing Service Branch; Capt. G. W. Jauchler, NWC Medical Officer, 2nd from right; and NAF Chaplain G. A. Read, right. The set was given to the Dispensary for the use of patients in the men's ward. AEAN Daniel Loftus, a patient in the ward, looks forward to using the gift.

New Military - Civilian Pay Schedules

Table with columns for Pay Grade and various 'Over' categories (Under 2 to Over 26) for COMMISSIONED OFFICERS.

Table with columns for Pay Grade and various 'Over' categories for COMMISSIONED OFFICERS WHO HAVE BEEN CREDITED WITH OVER 4 YEARS' ACTIVE SERVICE AS ENLISTED MEMBER.

Table with columns for Pay Grade and various 'Over' categories for WARRANT OFFICERS.

Table with columns for Pay Grade and various 'Over' categories for ENLISTED MEMBERS.

Retroactive Civilian Pay Schedule

Table with columns for Grade and 10 pay levels (1-10) for the Retroactive Civilian Pay Schedule.

New Pay Raise Tables Now Being Processed

The new pay schedule for civilian employees will be reflected in next week's paychecks. The retroactive portion is scheduled to be paid sometime in the following week.

The retroactive portion of the raise will also be counted for the purpose of increasing employees' annuities if they retire within the next three years. In addition, the retroactive checks will reflect the 7 percent retirement deduction to the date of the new increase (Dec. 27).

However, employees who retired between the date to which the new pay schedule is retro-

New G.I. Bill Benefits For Veteran Students

Table comparing Old and New Monthly Payments for veteran students.

Tutor Assistance: Tutor assistance for students failing college studies—Up to \$50 monthly for nine months will be paid but only to failing students, not those who simply want to raise their marks.

Pre-Separation Education Plan: Permits payment up to \$175 monthly for tuition, fees and book expenses in a special pre-separation education plan for servicemen working toward a high school diploma or attending courses to prepare for college.

Vocational Rehabilitation Training: Increases full time vocational rehabilitation training to \$135 per month for single men, \$181 for those with one dependent and \$210 for men with two dependents with \$6 for each additional dependent.

Lower Minimum Hours: Permits payment of full GI Bill allowances to veterans taking as few as 12 semester hours per week (14 was previous minimum). This applies only at colleges which consider 12 hours "full-time study."

Other: Permits veterans to draw education help from more than one government agency at one time.



NEW TENTS FOR GIRL SCOUTS—Jerry Zaharias (r), representing the Catholic Congregation of the All Faith Chapel, views one of four tents bought with funds the Catholic Congregation helped to provide for local Girl Scouts. Troop Leaders (standing l-r) are Peggy Preston, Troop No. 7, and Theresa Maples, Troop No. 172. Girl Scouts (standing l-r) are Julia Pennington, Barbara Cox, Rhonda Baker, Lydia Moe; (seated l-r) Cindi Drake and Pam Smith. —Photo by PH3 L. H. Detweiler

The Rocketeer

Official Weekly Publication U. S. Naval Weapons Center China Lake, California

Capt. M. R. Etheridge, USN NWC Commander

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DEADLINES: News Stories Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m.

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DIVINE SERVICES

Protestant (All-Faith Chapel)—Morning Worship—10:00 a.m. Sunday School—8:30 a.m., Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite Center Restaurant. Thursday—Service at 5:00 p.m. (Organ Prelude at 4:45 p.m.)

Roman Catholic (All-Faith Chapel)—Holy Mass—7, 8:30 and 11:15 a.m. Sunday.

Daily Mass—11:30 a.m. in Blessed Sacrament Chapel, Saturday, 8:30 a.m.

Confessions—7 to 8 p.m. Saturday, and 8 to 8:25 a.m. Sunday.

NWC Jewish Services (East Wing All-Faith Chapel)—8 p.m. every first and third Friday.

Sabbath School—10 a.m. to noon, every first and third Saturday.

Unitarian Fellowship—(Chapel Annex 95, 95 King Ave.)—Sundays, 7:30 p.m.



Little League Premieres Under Lights May 4

The week ahead will be a big one for Little League baseball in China Lake.

The 1970 season officially opens Monday night at 6 p.m. on Diamond 4 with all the pageantry of a miniature World Series.

After the opening ceremonies, which will be highlighted by performances by the Murray School band and the NAF color guard, remarks by NWC Executive Officer Capt. John McConeghy, and an introduction of last year's all star team, the Tigers and the Dodgers will take the field to start the season.

Immediately after the start of the Tigers-Dodgers contest, the Giants and the Yankees will open their season on Diamond 3.

"It should be quite a show," said Little League president Bill Lalor, who heads the program as it heads into what may be its most successful year.

"The 330 boys we have playing this year is one of the largest registrations we've ever had. And with the leagues revamped so that there are no more than 15 boys on a team, our boys should be playing a lot of baseball this summer," Lalor said.

The program boasts four six-team leagues, the major, minor, farm, and T-ball leagues. It is the major league that will open the season Monday.

Minor league tryouts will take place tomorrow and boys are reminded to bring their birth certificates to the tryouts for registration purposes. Tryouts for the farm and T-ball leagues will be later this month.

"We're fortunate this year because we have probably the most experienced group of managers we've ever had," said Lalor. "We sent our major league managers to Bud Jones' coaching clinic at Lancaster, and they came back

with good notes and training films.

"Our special events director Pat Hall is trying to line up some excursions for this summer, such as trips to Los Angeles for a ball game and or a day at Disneyland."

Despite the lack of funds caused by supporting last year's all star team (Max Smith's squad went to the sectional last year before losing), the league has made efforts to keep the fields in better shape.

"We're hoping to have more concession facilities and cleaner rest rooms this summer. The women's auxiliary has already taken the time to paint the concession stands," Lalor said.

Bowlaholics Win Thursday Trio League Roll-off

The Bowlaholics and the Desert Tavern teams in the Thursday Afternoon Trio League ended the season with identical records of 64.5 wins, and a roll-off of three games had to be scheduled.

The two squads met Tuesday at the China Lake Bowl and in the ensuing battle, the Bowlaholics emerged victorious. The Desert Tavern five took the first game, 587 to 515, which forced the Bowlaholics to come from behind in the match. The eventual winners won the second game by a scant nine pins, 521 to 512, and ran away with the third game, 562 to 495, and also took total pins by the slimmest of margins, four pins.

Valeta Meeks, anchor girl for the Desert Tavern quintet shot a 221 game, and her counterpart, Myrtle Snyder, who rolls in the anchor spot for the Bowlaholics, rolled 210 and 515.



VOLLEYBALL WINNERS—Team members of the Hatchmen who chopped up the China Lake Intramural Volleyball League, with a 34-2 record, pose with their trophies.

The men are, (kneeling): Duane Fojt; Jerry Kissick, team captain; Jim Bevan; and Edward Mikami. Back row: Gary Anderson; Ken Burke; Ray Blackwell; and Bob Corzine.

King-Wydra; Lindsey-Donohue Win Golf Tourney

Paul King and Gary Wydra outlasted three preliminary opponents and then defeated Wally Bruce and Al MacDonald in the finals to win the "A" division of the Team Match Play Tournament, 3-and-2.

Jack Lindsey and Ed Donohue took the laurels in the "B" division of the two-weekend tournament that concluded Sunday at the China Lake Golf Club.

Donohue sank a 55-foot putt on the 16th for a par and net birdie to close out the "B" match, 3-and-2, and defeat Frank Barney and Frank MacDonald, who finished second.

Finishing third in the "A" division were Leo Enriquez and Bill Aitchison, while Dino Sbrocca and Don Morey took consolation honors in the "B" division.

In other golf news, the CLGC has scheduled a home-and-home match with Golden Hills. The signup sheet is in the clubhouse and the first 23 golfers with handicaps of 18 or better will play in the matches. The contests are slated for May 31 at China Lake and June 28 at Golden Hills.

SPECIAL SERVICES CALENDAR	
May 7—Ladies Golf Luncheon (Clubhouse)	
May 9—Armed Forces Day	
May 12—Intramural Golf Starts (CLGC)	
May 13—Ladies Golf Flag Day (CLGC)	
May 16—Ceramic Club Hobby Show (Hobby Shop)	
May 16—Men's Mixed Partner Tournament (CLGC)	
May 18—Intramural Softball Starts (Reardon Field)	
May 23—Beauty Pageant (Theater)	



TWO FOR TWO—Pam Bullock (l), 13, and nine-year-old Susan Valenteen proudly display the trophies they won at two important State Archery tournaments held in the past month. The smaller trophies are for 1st place in "B" and "C" classes respectively from the recent Bakersfield Pow-Wow tournament and the larger pair are for 2nd places in the same classes at the Fresno Safari meet. The two girls are associated with the China Lake Bowmen.

Ft. Irwin Rolls 2682 Pts. To Win Tournament

Host team Ft. Irwin rolled a 2862 to take top honors in the Mojave Desert Interservice League bowling tournament held last weekend at Ft. Irwin. Ft. Irwin and runnerup Edwards AFB with 2824 were the only teams to surpass the 2800 mark, as the five remaining teams were bunched almost pin-to-pin.

Only 66 pins separated third-place Norton AFB from seventh-place China Lake. Had luck fallen in the right places, their positions might easily have been reversed.

Only the scores recorded in the team event bowling counted toward the final standings, and there China Lake did not fare so well.

In the other events, China Lake proved much more im-

pressive. In the singles, China Lake bowlers swept three of the top five places: Ed Albright finished second with 643; Thad Brightwell, fourth with 627; and Jerry Steele fifth with 617. Albright also placed fourth in all events with a 1777.

Tryouts for boys who wish to participate on Minor League teams will be held on Saturday, May 2, beginning at 8 a.m. on Little League Diamond No. 4.

All boys between the ages of 10 and 12 who are not on a major league roster, and who wish to play on a Minor League team, are expected to show up for the scheduled tryouts.

Armed Forces Day To Feature Blue Angels, Air Show

(Continued from Page 1) Maturango Museum and the Weapons Exhibit Building will open to visitors at 8 a.m. These buildings are located just east of Switzer Circle on the north side of Halsey St. Inside, visitors will see the history of the local area, and NWC.

The all Faith Chapel, located across from Bennington Plaza, on Blandy St., will be open for visitors from 8 a.m. until 5 p.m.

The program at the Naval Air Facility will begin at 8:30 a.m., when static displays located throughout the NAF area, will be opened to visitors.

Capt. M. R. Etheridge, NWC Commander, will give a Welcome Aboard address signaling the beginning of the Flight Demonstration, which will commence at 9:45 a.m. The two-hour program will be capped by the Blue-Angels, who will perform at 11:30 a.m. NAF will close to visitors at 2:30 p.m.

Safety Exhibit

The Safety Exhibit will open at the Safety Building, located on North Hussey Road, east of Nimitz, near the Center Dispensary, at 12 noon, and continuous demonstrations and films will be shown until 4 p.m.

Scouting Show

The 1970 Desert District Exposition of the Boy Scouts of America will be held at Schoeffel field, beginning at 2 p.m. The theme for this year is "The Triple E. Scout Exposition—1970," wherein the three E's: Empire; Expansion; and Exposition, will be emphasized.

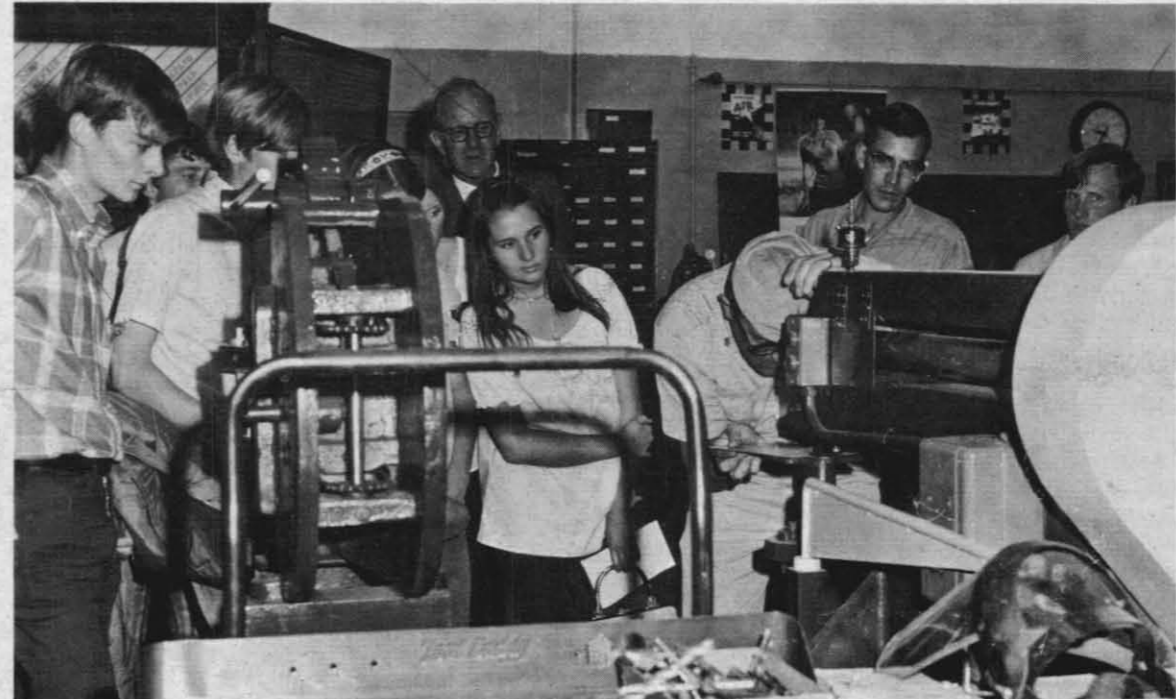
The Exposition will feature a live show of many demonstration booths which will dramatize the skills and activities of the Cub Scout, Boy Scout and Explorer programs. Visitors to the area will see Scouts' displays of motorcycle, communications, pioneering, hiking, camps and cooking.

Tickets for this year's Expo are currently on sale and may be purchased from any Cub Scout, Boy Scout or Explorer representatives. Admission price is \$1 for adults, and children under 12 will be admitted free.



NAVY LEAGUE INSTALLATION—Capt. M. R. Etheridge, (l), NWC Commander, administers the oath of office to the new slate of officers for the Indian Wells Valley Council of the Navy League. The new officers are, left to right: F. Carlisle, President; A. Mey-

ers, 1st Vice-President; D. Ruggiero, 2nd Vice-President; D. Hitt, Treasurer; P. Fisher, Secretary; and J. Wheeler, Judge Advocate. The installation took place on Friday, April 24, in the Commissioned Officers' Mess. —Photo by PH3 L. H. Detweiler



BISHOP STUDENTS VISIT NAF—Last week students of Bishop Union High School visited NAF at the invitation of Capt. L. A. Dewing, Commanding Officer of NAF. In the Metal Shop of Hangar Three AMSC Robert F. Campbell, Air Frames Division Chief (operating press), shows how easy it is to bend a piece of 3/8" thick boiler plate in the 50-ton hydraulic press. Capt. Dewing welcomed the students and gave a slide presentation of NAF facilities, aircraft, and the

role of NAF in supporting the mission of NWC. Their tour included the Radar Systems Br. of AOD, the Meteorology Office, Hangars Two and Three, the C-131 aircraft and the NAF tower. The tour was sponsored by the IWV Council of the Navy League. AQF2 Stanley Young and ATR2 Walter Clark of NAF were guides for the tour which was coordinated by LTJG Norman Johnson, Public Affairs Officer at NAF. —Photo by PH3 M. V. Dias



VX-5 PLANNERS—The Armed Forces' Day Co-ordinating Committee discusses details of the May 9 celebration at a meeting held earlier this week. All are attached to VX-5, this year's planning activity. Committee members are (left to right): LTJG Cynthia

Saunders, LCdr. Dan Monger, Maj. Bill Stein, Cdr. Barr Stevenson (Overall Coordinator), Lt. Rick Williams, CWO2 Norm Bensene and Lt. Ron Brittain. Not shown are Lt. Ron MacDonald and AMSC Charlie Beck. —Photo by PHAN G. L. Smith

Corona Develops Miniaturized Radiometer

A high resolution, wide angle, microwave mapping radiometer, operating at Ka-band, in a package small enough to permit it to be airborne, has been developed by the Naval Weapons Center at its Corona Annex. The solid-state miniaturized system is used for terrain mapping and has potential commercial and military uses.

The Corona Annex achieved the necessary sensitivity by using a wideband parametric amplifier with a noise figure of only 3 db in a bandwidth of 400 MHz.

Built by Control Data Corp. and developed by ADTEC Corp., it is used as a preamp for a superheterodyne system. This is the first use of such a configuration in an airborne unit.

Mapping information is displayed in real time on a TV monitor in the aircraft by a scan conversion display system, also developed at Corona. Signals are simultaneously recorded on magnetic tape for future translation into permanent photographs. When switched on, the system automatically adjusts to altitude and speed, and requires no normal control by the observer. Mapping width is 4 times altitude.

Excellent minute spatial resolution is provided by an antenna beam width of 20 feet per 1,000 feet of altitude. The temperature resolution (black and white contrast) is 4° Kelvin at 1,000 feet.

The development work was done by the Microwave Systems Branch at the Naval Weapons Center headed by R. P. Moore. It was funded by the Naval Air Systems Command and the Air Force Space and Missiles Systems Organization (SAMS0).



Corona Annex Liaison Office Established in Michelson Lab

Visitors from the Corona Annex who come to China Lake for business purposes, personal reasons, or perhaps in regard to the proposed move to NWC from Corona, will find the Corona Annex Liaison Office, located in Room 1506 of the Michelson Laboratory, an asset in locating offices or personnel at China Lake.

The Liaison Office, which represents the Missile Systems and the Fuze Departments, Code 42 and 50, at Corona, is supervised by Roger D. Orr, (Code 4209), and John F. Crossley, (Code 5009).

The office was established to aid in communications between the two complexes. Persons from either installation who wish to locate people, equipment, documentation, or who seek know-how will be as-

sisted by the Liaison Office in the search.

The backgrounds of the persons staffing the Liaison Office is varied. Included are: an engineer (general); an electronic engineer; an operations research analyst; a general engineer; two electronic technicians; a mathematician; a physicist; a mechanical engineer; and a technical writer. The Coronans brought some of their work to China Lake, and will return into their departments upon completion of the relocation of Corona departments to China Lake.

As each division at Corona moves to China Lake, a representative of that office will join the staff of the Liaison Office, thereby ensuring a smooth, orderly method of communication between the two installations.

Model Rocketry Program In Full Stride At NWC

The Desert Rocket Rats, a group of youths interested in Model Rocketry, will launch some of their models Saturday, May 2, at 7:30 a.m., at a launch site located about three miles from the Main Gate on the Snort Access Road.

What is Model Rocketry? According to Dr. Howard R. Kelly, a Physicist and Aeronautical Engineer at Michelson Laboratory, Model Rocketry is divided into three different types:

The "basement bomber," who uses gas pipe, carbon dioxide capsules, match heads, and various chemicals to build his own rocket without supervision or expert advice;

Amateur rocketry, in which boys use homemade propellant in a well-planned program, but usually construct rockets made of metal, like professionals;

And model rocketry, a program developed by the National Association of Rocketry, which is subject to a strict and uniform set of safety rules.

Unfortunately, the "basement bomber" frequently has accidents, sometimes serious ones whereby a hand or a life is lost through accidental explosions. Dr. Kelly pointed out that in a amateur rocketry, even with parental or other adult assistance, accidents still occur.

The rockets used in Model Rocketry are made of cardboard tubing and balsa wood and have no metal parts. The only engines used are commercially made of cardboard, ceramic and a simple solid propellant, and are quite inexpensive and safe.

Over three million such rockets have been launched nationally by persons in this supervised program without a single serious injury. Obviously,

ly, stated Dr. Kelly, this is much safer for boys than some of the highly approved major sports, such as football or baseball.

Approximately one year ago, Richard Wadman, then Director of the China Lake Youth Center, enlisted the aid of Dr. Kelly to help organize a Model Rocketry Club for boys at China Lake. This club has since grown into a successful and interesting program for local youths.

Under the present director, Marty Denkin, the Club is backed by the Youth Center and Special Services Division with all the aid that can possibly be given.

The Club now meets at 401-C McIntire Street, and is sponsored by the China Lake Chapter of the American Institute of Aeronautics and Astronautics (AIAA), of which Dr. Kelly has been serving as Chairman of the Education Committee. The National AIAA advocates the support of Model Rocketry as a safe means of helping youngsters learn more about the space age for themselves.

Club meetings are held weekly on Thursdays at 7 p.m. for the purpose of discussion of the latest models built by the members and the exhibit of the models. Planned firings are also discussed.

Andrew Victor, local AIAA member, has made a 15-minute movie showing the meeting activities of the Club and some typical rocket launchings. Two-stage rockets, built by the local boys, often reach 1000 to 1,500 feet in height, and the sight of the red or yellow parachutes lowering the rockets to safety is often a welcome sight.

Residents who wish to witness the firing Saturday are welcome to attend.



PAGEANT PLANNERS—Members of the Miss Ridgcrest-China Lake Beauty Pageant planners committee plan this year's contest. The members, and their function, are, left to right around the table: Susan (Zissos) Short, Hostess; Bill Wilson, Assistant Director;

Dodie Gorrone, Modeling Coach; Bea Blinkhorn, Advertising; Eileen Taylor, Pageant Secretary; Gerry Baker, Pageant Director; Budd Gott, Publicity; Herb Childers, Talent Coach; and Craig Stevens, Pageant Master of Ceremonies.

District 12 Toastmasters Hold Contest

Ev Baker, of China Lake Club 853, District 12, of Toastmasters International, will represent the local club in the District 12 Serious Speech Contest and Convention, scheduled to be held at China Lake May 2 and 3 in the Commissioned Officers' Mess. The debate, to be held Saturday evening, will begin at 7 p.m. Sunday's contest will begin at 1 p.m.

Ken Labaw, governor of Area No. 4, stated that the finals will include clubs from Las Vegas, Nevada on the East, to Paso Robles on the North, and Oxnard and Ventura on the South and West.

Baker will speak on "Legalize Marijuana?" The Toastmasters motto, "Better Thinking, Speaking, Listening" is expected to be exemplified in the debate Saturday evening, and in the serious speech contest.

Visitors, particularly former Toastmasters, are invited to the debate and Sunday's contest.

★ SHARE IN FREEDOM ★



SERVICE AWARDS—M. B. Sorge, left, Head, Central Staff, presented outstanding service awards to five members of Code 17 Thursday, April 23. The recipients, and their awards are: Anita Ellwood, Quality Step In-

Internal Housing Freeze

The transfer of personnel and functions from the Corona Annex has been accelerated. Hence, two increments—120 personnel by September, 1970, and an additional increment by December, 1970—will begin moving to China Lake almost immediately. As a result the Center must carefully husband its housing assets.

As of 17 April, the Housing Administrator has been directed to suspend assignments from housing waiting lists. This suspension includes movement from one permanently assigned center home to another; and/or assignment of housing to present employees now living off Center.

Personnel occupying temporary housing, however, will continue to be assigned permanent housing for which they qualify as it becomes available. In addition, New Hires, newly assigned military personnel and summer hires will be housed in accordance with existing directives.

Newcomers Will Meet Tuesday at Ridgcrest Park

The Newcomers Club's monthly meeting will be held Tuesday, May 5 at 9:30 a.m. at the Ridgcrest Park.

A beautiful area rug will be given to the newcomer of the month by Kirkpatrick's. Newcomer for April was Susan Johnson. Newcomers are welcome to bring children to the meeting. Refreshments will be served.

Hale Telescope Meeting Topic

Details of the construction and function of the 200-inch Hale telescope on Mt. Palomar will be covered by a slide presentation at the next meeting of the China Lake Astronomical Society, Monday, May 4, beginning at 7:30 p.m. at the clubhouse, 401 McIntire Street.

This presentation will be made in preparation for a tour which the club will make of the world's largest telescope, Saturday, May 23.

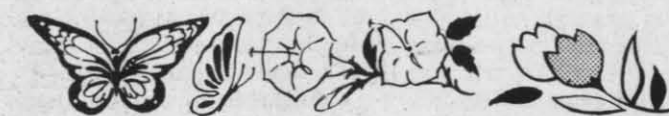
All interested persons are invited to attend the meeting.

Twenty-Fourth Annual Wildflower Show Succeeds Beyond Wildest Anticipation



ENTOMOLOGY EXHIBIT—What are flowers, without the birds and bees and butterflies? Just so, the Wildflower Festival wouldn't be complete without a display of these insects. Interested viewers study the exhibit of Mr. and Mrs. John Pearson.

NAME THE FLOWER (Above left)—This was no guessing game for these engrossed visitors because Mrs. Douglas Lind and her able assistants had labeled every flower by its botanical and common name.



In spite of heavy winds and cold weather, some 1600 visitors came out to view the 130 varieties of wildflowers displayed at the 24th Annual WACOM Wildflower Festival which was held at the Community Center last week-end.

The large variety of wildflowers available, though not as bountiful as in past years, was really a surprise after all the pessimistic predictions based upon this season's scanty rainfall and "winter-in-April" temperatures. All identified specimens from the Joshua Room have been preserved by Mrs. Douglas Lind in order to facilitate classification in succeeding shows. She was assisted by Dr. and Mrs. Ronald Henry, Mrs. Robert Berry, Darwin Tiemann and Mrs. William J. Werbeck.

Kenneth Pringle directed the 50 flower gatherers as far as the Alabama Hills at Lone Pine; Homewood Canyon north of Trona; the Kernville, Garlock and Randsburg areas, and surrounding canyons—Red Rock, Short, Horse, Indian Wells, Sand, and Nine Mile, as well as within NWC boundaries, to conduct their relentless search for desert blooms that contributed so much to the success of the show.

The Maturango Museum featured a special Entomology exhibit of insects found locally and in other areas from the collection of Mr. and Mrs. John Pearson.

The Mojave Sierra Archeolo- (Continued on Page 8)

Pair Receive Awards



BENNY SUGG AWARDS—In recent ceremonies Capt. E. M. Wieske (c) presented a check for \$145.00 to Castella E. Trent (l) for her beneficial suggestion "Providing Requisitioner with Up-to-Date Delivery Date Information" which will result in a savings of \$1,872 annually. Gordon E. Beauchamp (r) also received a check for \$85 for his suggestion "Portable Stop and Separator for use on Conveyor Belt," resulting in savings of \$850 per year.

DOUBLE ATTRACTION (Above)—Visitors of all ages were captivated by the blooming Hedgehog Cactus and the desert paintings of local artists.

DO NOT SHOOT! (Right)—Nature's ecologists have a common meeting ground—a desert water hole at night, as staged by Mrs. Tilly Chamness and Robert Barling. This realistic desert scene might well have been labeled, "Don't Shoot The Wildlife."

Photos By PH3 L. H. Detweiler

