coming in for the first Museum pineapple salad with chutney Monday, an elegant luncheon dressing, home-made rolls, and planned by the Friends of the chocolate mousse for dessert. Maturango Museum. The lun- Coffee or iced tea will also be cheon, scheduled at 11:30 on July served. "This hot-weather menu 16, will be held in the Sidewinder will appeal, I think, to the tastes of Room of the Community Center: both men and women," Mrs. Byrd

Mrs. Pat LaBerge, planner of the stated. Museum Mondays, suggests that anyone wishing to attend the munity Center leads directly to the luncheon make reservations as Sidewinder Room. A display of soon as possible by calling NWC paintings by Desert Art League extension 2368, between 8 a.m. and members will give Museum noon, on Mondays, Wednesdays, or Monday patrons opportunity to Fridays. No "drop-ins" will be cultivate the sensitivities of the served; reservations must be eye, while the menu pleases the made beforehand.

Modestly priced at \$2, the luncheon will be catered by Mrs. Sue Byrd, a renowned local cook. Volunteers will prepare all food especially for the occasion. "We're getting wonderful cooperation from almost 60 people who are donating their time toward the success of Museum Mondays," Mrs. LaBerge said. She explained that volunteer helpers will be organized into teams of dessertwaitresses, etc.

Reservations are already Crepes Florentine, an avocado The east entrance of the Com-

Mrs. LaBerge pointed out that this is an endeavor of the entire community. The second Museum Monday is scheduled for Aug. 6, with the luncheons planned on a weekly basis beginning on Sept. 10. The Friends of the Museum will turn over all money raised by the luncheons to the Maturango Museum building fund.

makers, bakers, salad-makers, museum in a permanent building The menu for this first Museum Indian Wells Valley heritage will Monday will feature Chicken be readily available to everyone.

### Selfless Work for Blind Gets 4-H Honor for Kristing Fowler

coming year.

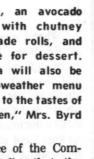
won numerous honors and awards unusual, beneficial hobby? When for her finely sewn clothing. Four she was a third-grader she wat-



Kristina Fowler

dogs have been trained by Kris will feature broasted chicken, white stallion, born and trained in toward exacting obedience stan- pizzas, hot dogs, and delicatessen the stables of Emperor Franz dards required for guide dogs for items to go. training her fifth dog.

Cathy Atwood in her or- 6 p.m. on Sundays.



Future plans are to locate the in Ridgecrest where access to an

A young lady who believes in thopedically handicapped class at doing good deeds has been selected Groves School for the past two for the 4-H Club's highest honor at years. Next year Kris will continue the county level. Kristina Fowler, as an elementary school aide. daughter of Mr. and Mrs. Robert As a result of her work with Fowler of China Lake, was guide dogs, Kris became interested recently notified that she has been in learning Braille so that she could named a 4-H County All-Star. further help the blind. After an

As an All-Star Kris will go to intensive study of Braille this past State Leadership Conference and year, Kris has been accepted as a All-Star Conference at the Volunteer Braille Transcriber by University of California, Davis in the Twin Vision Transcribers August, as well as assume Guild, American Brotherhood for positions of leadership in 4-H the Blind. She has just finished county events throughout the brailling her first book-a Dennis

Kris, who has been in 4-H for 6 Learning Braille has made it years, will be a junior at possible, too, for Kris to Burroughs High School in the fall. correspond in Braille with a lady in Her main projects in 4-H have been Alameda, Calif., who now uses one in the areas of guide dog training of the dogs Kris has trained. and clothing construction. She has How did Kris get involved in this

the Menace story.

ched a Walt Disney movie about the training of guide dogs and that later inspired her to take the opportunity to perform this service. Her work with guide dogs, in turn, led to her further involvement in projects to help the blind.

A versatile young lady, Kris is interested in gymnastics and for the Youth Center movie These shots are specifically for Weekly Folk Dance sports of all kinds. She hopes to go matinees is "Tiko and the Shark," those individuals who will be Classes To Begin on to college, perhaps U.C. Davis, starring Marlene Among, Al traveling overseas within the next with a possible career in Kauwe, and Dennis Pouira. veterinary medicine in the offing.

### New Chick Inn **Grand Opening** Set Next Week

Exchange will hold grand opening ceremonies for the new Chick Inn. Thursday, July 12, is "Florian," Located on King St. and Richmond which stars Robert Young, Helen Rd., across the parking lot from Gilbert and Charles Coburn. the Bowling Alley, the Chick Inn This film is the biography of a Josef.

the blind. Soon she will begin Hours of operation for the new Admission is 30 cents per person, eating establishment will be 11 and NWC theater tokens are not She has also been helping Mrs. a.m. to 10 p.m. daily and 11 a.m. to valid for use during these



TITILLATING THE TASTE BUDS - Albert Gould, George Silberberg, Eileen Gravelle and Ken Robinson (1.-r.), the treasurer, president, secretary of the Maturango Museum's board of trustees, and the Director of the museum, respectively, sample some of the gourmet food that will be offered in the Museum Mondays, beginning in the fall. Catered by Sue Byrd, with volunteers from the Friends of the Museum acting as waitresses, the tea room will be open for lunch on July 16, Aug. 6, and Aug. 20, in a special preview of things to come. Luncheon will be served from 11:30 a.m. to 1:30 p.m. in the Sidewinder Room of the Community Center. Beginning in September, the luncheons will be served one day per week. If interest in the community is high, there is a possibility of that schedule being broadened. The trustees are sampling chicken strata (chicken souffle with mushroom sauce), one of the many entrees being

## **Booklets Distributed On Community Fair Displays**

at the 23rd Annual Desert Empire Fair, announced this week that premium booklets containing detailed instructions for these competitions are now available. Potential competitors are asked to obtain copies of the booklet and begin making plans for their enscheduled for Sept. 19-23.

With a bright new orange cover designed by Patty Musser, the booklet constitutes a complete guide for Desert Empire Fair competitors in all areas of original amateur workmanship. All classes, divisions, and sections of competitive areas are listed, as well as rules and awards. Booklets are available at the Studio, Thompson's Shoe Repair, Buttons and Bows, Fabritique, Wagen- Yellow Fever hals' Book Store, Barton's Men's Shop, the Ridgecrest County Inoculations Library, and the Chamber of

## Youth Center Lines up Shows For Matinees

Leading the bill of fare next week on July 13.

This tale, which takes place on a period. oldest citizen, and a baby shark. NWC ext. 2015. The film will be shown on

Tuesday, beginning at 1 p.m., in Thursday at 11 a.m. the Navy the Center Theater. Slated for the same time on

engagements.

Willie Johnson, competitions Commerce office in Ridgecrest, as chairman for the fine arts, hand- well as the China Lake Community crafts, and domestic arts displays Center and the Center Library. In Invokern, copies may be obtained from LaFortune's Feed Store and The Feed Store.

Mrs. Johnson also announced that judges have been chosen for a new competition. Three local celebrities will take part in a "public judging of pies," to take tries. The annual event is place on the evening of Saturday, Sept. 22. The judges are Earl Fike, Chief of the Ridgecrest Police and appropriate cartoons, Department; Ridgecrest Mayor Ken Smith: and Cdr. Herbert O. Brickson, NWC Staff Judge Ad-

While the recently published premium booklets cover all general aspects of the Fair competitions, Mrs. Johnson will answer further questions by phone,

# To Be Given

Yellow fever vaccine inoculations will be given free of charge to NWC employees and their

year, and are good for a 10-year A series of six weekly folk dance

# The objective of the ratings is to info

parents about the suitability of movie content for viewing by their children. (G) - ALL AGES ADMITTED

General Audiences (PG) - ALL AGES ADMITTED Parental Guidance Suggester (R) · RESTRICTED

Under 17 requires accompany ing Parent or Adult Guardian CS . Cinemascope STD - Standard Movie Screen

THE WORLD'S GREATEST ATHLETE" (93 Min.)

Regular starting time - 7:30 p.m.

Matines - 1 p.m.

Jan-Michael Vincent, John Amos (Comedy) Coach John Amos leaves Merrivale College after a losing streak in which every team under him oses, no matter what sport is involved. Amos travels to Zambia where he discovers a remarkable athlete and tricks him into competition. The youth finally returns to Zambia and Amos finds another athlete in China. (G)

> 7 JULY -MATINEE-

"A BOY NAMED CHARLIE BROWN" (92 Min.)

Animated (G) -EVENING-

"THEY ONLY KILL THEIR MASTERS" (98 Min.) James Garner, Katherine Ross

(Suspense) In a small Pacific coast town a dead woman, fully clothed, is pulled from the ocean by her own Doberman. The dog is a prime suspect for her murder. James Garner plays the police chief who believes the animal is innocent and seeks other clues to the crime. (PG)

SUN & MON "LOLLY-MADONNA" (105 Min.)

Rod Steiger, Katherine Squire (Action Drama) A mistaken identity kidnapping causes a violent clash between two families. Rod Steiger plays the head of one family, Robert Rvan, the other. A dispute over a meadow grows to open warfare when Ryan's daughter is raped by two of Steiger's sons. Season Hubley, the kidnap victim, develops a romantic attachment for one of Steiger's sons while violence is erupting around

10-11 JULY "THE GREAT WALTZ" (135 Min.)

Horst Buchloz, Mary Costa Musical) The life and music of Johann Strauss set in 19th Century Austria, opens with young Strauss debut as a ballroom orchestra leader follows him through his musical triumphs and romantic conquests and concludes with Strauss playing his immortal "The Blue Danube" at the Boston World Peach Jubilee in 1872.

THURS. & FRI. 12-13 JULY "SCORPIO" (114 Min.)

Burt Lancaster, Alain Delon (Mystery) In Paris, CIA agent Burt Lancaster arranges the assissination of the Fascist head of Eritria. Cat lover and professional killer Alain Delon handles the job, but fails to kill Lancaster, whom agency chief John

Colicos has branded as a double

classes for beginners, sponsored South Sea island, is about a young Hours of the clinic will be from 2- by the Desert Dancers, will get boy who has two friends, the 3 p.m., however, reservations must under way on Thursday, July 19, granddaughter of the island's be made by calling Jenny King at starting at 7:30 p.m. at the Com-

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Naval Weapons Cente

China Lake

## Seven NWC Employees Receive Advanced Degrees

during the past year.

Those receiving Doctor of Philosophy degrees are David B. Fenneman, Lonnie A. Wilson, and Ronald Dean Painter.

Master's degrees have been awarded to Carl S. Kumano, Jon D. Bumgardner, Merritt D. Mullen and Henry J. Eberhart.

**Receive Doctorates** 

Fenneman, a physicist in the Applied Technology Branch of the Propulsion Development Department's Propulsion Systems Division, received a PhD from the dissertation was titled, "The Ion tronics engineer in the A-7E

dictions from a kinetic theory Amplifiers." formulation.

Fenneman received his Master's earned a Bachelor's degree in 1965. physics from the University of California, at Berkeley, in 1959.

one daughter, Rebecca.

Wilson's PhD was awarded from the University of California, Los Angeles, in the field of Elec-University of Illinois, Urbana. His tronic Systems. Wilson, an elec-

NWC CELEBRATES JULY 4 - Fireworks at Mirror Lake lit the sky on Independence Day at NWC. The

show was touched off by a fly-over of four NAF jets after they returned from performing an air show at

Three NWC employees received Acoustic Instability in the Helium program office of the Weapons PhD degrees and four others were Positive Column:" a comparison Development Department's awarded Master's degrees after of the experimental properties of a Avionics Division, wrote a completion of graduate work current driven instability found in dissertation that dealt with "High a helium discharge with pre- Frequency Transistor Power

He was awarded a Master's degree in electrical engineering from UCLA in 1969 and received degree in physics from the his BS Degree from Walla Walla University of Illinois in 1965, and College, College Place, Wash., in

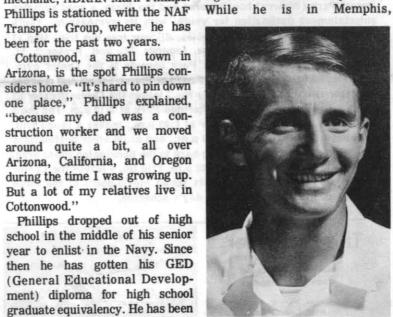
An NWC employee since August 1966. Wilson and his wife, Bonnie He and his wife, Marjorie, have Jean, have one daughter,

> A PhD in theoretical solid state physics was awarded to Painter from Michigan State University, East Lansing, Mich., in May.

> > (Continued on Page 3)

-Photo by PH1 D. C. Manderscheid

-Photo by PH2 D. W. Yeatts



DR. CURRIE VISITS NWC - Shown at NAF last Monday are (I.-r.)

Dr. Walter B. LaBerge, NWC Technical Director; VAdm. W. J.

Moran, Director, Office of Research, Development, Test and

Evaluation, CNO; RAdm. Paul E. Pugh, NWC Commander; and Dr.

Malcolm R. Currie, the new Director of Defense Research and

Engineering, Department of Defense. Dr. Currie, who is about to

leave his present home in Palos Verdes for his new position in

Washington, was on a familiarization tour of this primary naval

research and development laboratory. While he was here, he toured

displays at Hangar 3 and listened to presentations in Michelson

Laboratory of a number of the Center's important ongoing

programs. He was accompanied on his visit here by VAdm. Moran, a

Phillips Tapped As July

Bluejacket of the Month

Bluejacket of the Month for July with her parents in Los Angeles for

is an earnest young aircraft this short time, pending reas-

mechanic, ADRAN Mark Phillips. signment to another duty station.

**ADRAN Mark Phillips** 

satisfy these requirements while Phillips plans to take flying instruction. "I really enjoy working He explained that he was drawn with airplanes and I love flying." to the Navy because "my father was in the Navy and all his

As Bluejacket of the Month

Phillips met his wife, Nancy, in Los Angeles. They now reside at luxurious Holiday Inn. The Greater 209-B Hornet with 10-month-old Bakersfield Chamber of Com-Jim. "I met Nancy on a blind date merce will present them with a my grandmother set up for me," he said. "I used to play with her discount coupons from merchants participating in the Bluejacket of when we were 7 or 8 but I hadn't the Month program. seen her for about 10 years."

Nancy Phillips shares her husband's enthusiasm for the local area. They both enjoy hunting, fishing, and backpacking in the Sierras. "We like it very much here. It reminds me of home in Arizona." Phillips enjoys riding in motocross events, and has even gotten his wife to try a motorcycle a few times.

taking correspondence courses to

brothers were, too. I just thought

stationed at NAF.

Future plans include a 12-week stint at ADJA school in Memphis, Tenn., beginning in September. Phillips will leave his wife and son

Phillips will be loaned a new the Navy would be a good place." Phillips obviously found it a good automobile by Desert Motors to place, indeed-he reenlisted in use during an all-expenses-paid March for an additional six years weekend in Bakersfield on July 2 and plans to make the Navy his through 29 for himself and his wife. While they are in Bakersfield, the Phillips will stay at the packet of gift certificates and

> **Waiting Time Waived** The two-year occupancy

period required before applying for other housing is temporarily waived for employees in Category II who wish to apply for 2-bedroom Old Duplexes and 2-bedroom Old Duplexes LBP. Applicants will be placed on a waiting list from which assignments will begin subsequent to the two-week announcement period.



FREE BUS RIDES — Wherry youngsters board a bus at Bennington Plaza as it makes one of four trips a day between the Desert Park (Wherry) housing area and the Plaza, a good summer entertainment destination for youth, with its gymnasium, Youth Center, swimming pool, and movies. All four free bus trips stop at Pierce Elementary School, the Segundo St. and Prospect St. playground, and Ann Etheridge Park enroute to the Center gymnasium. The first trip begins at 12 noon at Pierce School and reaches the gymnasium at 12:37 p.m. Trip No. 2 leaves the Center theater at 2:55 p.m. and ends up at Ann Etheridge Park at 3:18 p.m. The third trip begins at the Center theater at 6:08 p.m., makes a round trip, arriving at Pierce School at 6:23 p.m., and at its other destinations shortly thereafter, then swinging back to the Bennington Plaza area, arriving at the gymnasium at 7:02 p.m. Trip No. 4 leaves the Center theater at 9:15 p.m. and deposits young movie-goers at the three Wherry destinations to end the day's schedule.

DIVINE SERVICES

PROTESTANT

Sunday School Classes are held in Chapel

Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite

MASS

BLESSED SACRAMENT CHAPEL

CONFESSIONS

CCD CLASSES

Sunday Kindergarten thru 6th grades 1015

Above classes are held in Chapel Annexes

JEWISH SERVICES

EAST WING-ALL FAITH CHAPEL

UNITARIANS

CHAPEL ANNEX 95

Services

Sabbath School

Wednesday Seventh and 8th grades

munion Service first Sunday of the month.

1700 fulfills Sunday obligation

1135 1700

1545 to 1645

0800 to 0825

Ninth thru 12th grades

Monthly Youth Rallies

"In Home" Discussion Groups

Sunday Worship Service

Sunday School—All Ages

the Center Restaurant.

Daily except Saturday

First Friday only

Saturday

Sunday

Wednesday Noon Bible Study

## The Rocketeer

**Naval Weapons Center** China Lake, California

Dr. W. B. LaBerg C. E. Van Hagan



Editor Jack C. Lindsey

Associate Editor

**Nancy Jones** Editorial Assistan

PHI D. C. Manderscheid,

PH2 D. W. Yeatts, PH3 D. R. Farque, PH3 across from Center Restaurant. Dennis Jenereaux, PHAN Jerry Sizemore, As announced ADJAN Bill Brooks, PHAN Joe Dunn DEADLINES:

News Stories ......Tuesday, 4:30 p.m. Contact Chaplain's Office for specifics. .. 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
Saturday
S Friday 1st and 3rd ONLY P35, revised July 1958. Office at Nimitz and Rocketeer does not necessarily reflect the official views of the Department of Defense.



ROCKETEER

Applications for positions listed in this 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 652, Extension 2069. Current applications (SF-171) or Standard Form 1972 should be submitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill ese positions. Part of the ranking process of those rated as basicall qualified will be a supervisory appraisa rm that will be sent to the employees present and most recent previou upervisor. Selection shall be made rithout discrimination for any nonmerit

Supervisory Reaction Specialist, GS-188-11, Code 855 - This position is that of Associate Head, Special Services Division. The incumbent, through subordinate personnel, supervises inframural, varsity and youth sports programs. In addition the incumbent is esponsible for the overall operation of the Center's golf course, bowling alley, gym, theater and other Center-wide recreation facilities. Minimum Qualification Requirements: CSC Handbook X-118. Job Relevant Criteria: Knowledge of the principles techniques of recration program administration. Ability to express oneself both orally and in writing. Skill in working effectively with key military and civilian personnel. Ability to develop, coordinate and maintain a well balanced recreation program. File applications for above with Dora Childres, Bldg. 34, Rm. 210, Ph. 2032. Physical Science Technician, GS-1311-

8 9, PD No. 7360035, Code 605 — Performs various lab tests and experiments. Modifies, sets up and operates lab equipment; obtains data and performs simple computations for further analysis. Designs, modifies or adapts standard components from literature; fabricates and modifies parts of existing Minimum Qualification Requirements: Two years general experience and three years specialized experience for the GS-7 level and four years specialized experience for GS-8 and GS-9. Job Relevant Criteria: Experience in electronics; experience in utilizing mechanical and optical equipment; some experience with chemicals and materials; experience in designing, modifying or adapting standard components or equipment. Advancement Potential: GS-7 to

GS-8: GS-8 to GS-9. File applicatioss for the above with Claire Lewis, Bldg. 34, Room 202, Ph. 2723.

Secretary (Typing), GS-318-6, PD No. 72840.8, Code 84 - This position is secretary to the Director of Security. Incumbent maintains Director's calendar; sets up conferences and meetings; receives visitors and telephone calls; receives and screens mail; takes notes and minutes of meetings; types a variety of reports and correspondence and participate in training of department clerical staff. Minimum Qualification Requirements: A defined in CSC Handbook X-118. Job Relevant Criteria: Incumbent must possess a high degree of tact and diplomacy. Must be able to perform well under stress and adapt to a basic understanding of organizations; human

.File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. Administrative Officer, GS-341-9 / 12, PD

No. 7340111, Code 4008 - This position is located in the Advanced Aircraft Systems Program Office, Weapons Development Department. The incumbent is responsible for administrative management of the program office in the areas of budget planning and preparation; fiscal control of projects; space and facilities utilization; interpretation and analysis of accounting reports; initiation of and personnel actions. Initiates work requests and project orders to field activities. Responsible for interfacing with various staff organizations within NWC. Job Relevant Criteria: Familiarity with the organization structure of NWC and NAVAIRSYSCOM general knowledge of DOD organization structure; experience in utilization of NWC reporting and accounting procedures; familiarity with personnel management processes and space and facilities management. Minimum Qualification Requirements: As defined in CSC Handbook X-

Administrative Officer, GS-341-9 / 12, Code 405, PD No. 7340099 — This position is located in the Infrared Systems Division of the Weapons Development Department. The incumbent is responsible for the administrative management of the Division in the area of procurements and contracts; facilities; manpower utilization; staffing requirements and analysis; personnel actions; training requirements; budget plans and submissions; periodic reports and financial requirements and reports. Maintains liaison with various sponsors in the Naval Air Systems Command regarding the financial aspects of the major programs within the Division. Job Relevant Criteria: Experience which demonstrates a thorough knowledge of effective financial management and control concepts; personnel

problems; policies and practices appropriate (Continued on Page 7)



NO INFLATION HERE - Carla Nixon, the enterprising daughter of MR1 John H. Nixon, decided to earn money for the family's vacation by dispensing cool drinks to weary travellers along Lauritsen Rd. Her original price at six cents per glass seemed a bit high, so the bright Miss Nixon reduced the ticket to five cents, and business picked up. As the sign above reads, she mixes the flavors of beverages offered insuring repeat sales. The stand is located at the corner of S. Lauritsen Rd. and Langley St.

## Signups Under Way For **Summer Reading Program**

Children in grades 1-6 are invited variety of difficult situations. Must have a to sign up for the program and receive their reading booklets with

Wednesday afternoons of each

prizes to cap off the program. determine our country's future.

Registration is under way for the There also will be a story hour for Children's Summer Reading children ages 4 to 8 every other program at the Center Library. Friday between the hours of 1-2 p.m. at the Center Library.

Children are a priority in any

meaningful library program. this summer's theme, "Spirit of Today's youngsters are tomorrow's society. What goes into their minds and their daily stream of week will be reserved for experience does have a direct reviewing entries in the reading bearing on our future social output booklets. Credit stars will be given and this is what libraries and the for books read and a U.S. flag will written word are all about. So most be put at the top of each page after libraries feel when planning and evaluating a literature service for At the end of the program this a community that only the best is

## **PWOC Plan Annual Ice** Cream Social at Chapel

will sponsor an ice cream social on operation. the All Faith Chapel lawn.

This year's event will feature the necessary to defray expenses, will usual delicious home-made pies go to support various mission and cakes as well as home-made projects. Missions in Peru, India, and commercial ice cream. Punch and Mexico, as well as three and coffee will also be served; a projects in the United States will nominal 75 cents for adults and 35 receive much-needed operating cents for children under the age of expenses from the popular fund-12 will be charged.

This community get-together Martha Pena, chairman of this will take place on the Chapel lawn year's ice cream social, is assisted on Tuesday, July 17, from 6 to 9 by members of the Elizabeth, p.m. Decorations and servers' Hannah-Naomi, and Ruth Circles. attire this year will be Hawaiian. She invites the entire community Background Hawaiian music will to attend for delicious dessert and complete the setting. The popular an informal visit with friends.

For the 21st year in a row, the Senior High Youth Fellowship Protestant Women of the Chapel dunking booth will also be in

All money raised, beyond that raising event.

## **Outstanding Concert Season Planned**

With a diversified concert season lined up to begin in November, the board of directors of the China the tastes of many kinds of concertgoers. The Roger Lake Civic Concert Association is now conducting a Wagner Chorale, a great favorite in a previous local members' ticket renewal campaign. Members of engagement, will open the season on Tuesday, Nov. the Concert Association who would like to take 27. On Wednesday, Jan. 23, the rising young opera advantage of this opportunity to get their seats star, Carol Neblett, will appear here. A flute and early are reminded by ticket manager Carroll piano duo, Jean-Pierre Rampal and Robert Veyron-Evans to send their renewals to Box 5377, China Lacroix, is scheduled for Monday, Feb. 11.

Friday, July 6, 1973

A recent organizational meeting of the board saw these new officers elected for the coming year: Mrs. Ruth Dietrich, president; Mrs. Joan Leipnik, vice president; Capt. T. R. Hendershot, treasurer, and Mrs. Nancy Kuehn, secretary and publicity chairman. Also on the board are Dr. Robert Rowntree, Dr. Allen Gates, Carl Helmick, and Mrs. Next season's concerts are planned to appeal to

On Tuesday, March 12, music lovers will get a chance to laugh at themselves when Peter Schickele and others bring the Intimate P.D.Q. Bach to the Center Theater. Winding up the concert season will be Kellie Greene and her jazz ensemble, slated to appear on Thursday, April 4.

A campaign to sell tickets to prospective con-Pat Housden. Helping ticket manager Evans again certgoers will begin in the fall. In the meantime, this year is Karl Kraeutle, associate ticket information may be obtained from Evans at 446-

## PROMOTIONAL OPPORTUNITIES

(Continued from Page 2) to NWC operations. Participation in technical program management through providing evaluative material and information for planning, direction, and control of Weapons Requirements: As defined in CSC Handbook X.

Electronics Engineer, Mechanical Engineer, General Engineer or Physicist GS-12 or 13. PD No. 7340100, Code 40405 - This position is located in the A-4m Improved Veapons Delivery System (IWDS) Program Office. The incumbent will be responsible for coordinating all aspects of an industry conceived configuration IWDS which is to be in stalled in a Navy testbed aircraft and flight test evaluated on military test ranges. In this position, the incumbent will keep current on all aspects of the contractor development ac tivities; maintain all thorough understanding of the contractor selected approach; coordinate the activities associated with installation and instrumentation of the system in the test aircraft and maintain liaison between he contractor and NWC. The incumbent will also perform analysis as required to obtain estimates of the level of additional engineering development required for production of the system and also to estimate final production unit cost, reliability and maintainability of the system. Willingness to accept frequent travel o contractor facilities and other military commands is required. Job Relevant Criteria: A working knowledge of airborne fire control; sonnel. A capability to express ideas both

## Civil Servants Can Be Fired For Bad Debts

A recent court ruling may have far-reaching effects for Civil Service employees.

The U.S. Court of Appeals for the Ninth Circuit in California has ruled that non-payment of debts by Federal and Postal employees reflects adversely upon the gotherefore, justifies the firing of and two enlisted men in the call 446-5664 for more information. such employees in these cases.

While there have been some lower Federal district court decisions to this effect in the pas this is the first decision by as high a tribunal as a U.S. Court of Appeals on this issue.

An especially interesting aspect was the fact that the employee had attempted to meet his obligations through a wage earners plan under Chapter XIII of the Bankruptcy Act, which permits individuals to make arrangements whereby their debts eventually will be paid off. However, the court said the bankruptcy law makes no provision for protecting government workers from being fired for non-payment of debts, even if they use its provisions.

The appellate court said that non-payment of debts reflects adversely on the government as an employer and thereby hampers the efficiency of the government service. Consequently, it found that firing for failure to pay debts is justified.

experience is also desired. Minimum Qualification Requirements: In accordance File applications for above with Elizabe Sodergran, Bldg. 34, Room 206, Ph. 2676. with CSC Handbook X-118.

Electronics Engineer, Mechanical Administrative Assistant, GS-341-07, PD No. Engineer, General Engineer or Physicist GS-6928, Code 331 - This position is located in the 12 or 13, PD No. 7340110, Code 40405 - This Advanced Systems Division, Fuze Depart position is located in the A-4M Improved eapons Delivery System (IWDS) Program to provide assistance to the Division Head in Office. As IWDS project engineer, the inadministrative management of the division cumbent will be responsible for the technical The position involves full responsibility for cordination of the IWDS project team in the financial mangement; budget planning development of NWC conceived prototype control and management; preparation of flight test systems. The incumbent will echnical budget estimates; overhead maintain program management and control over all elements of system development administration; editing, compiling and coordinate subsystem development, test and organizing technical reports; personnel evaluation; and review activities as per management; management reports and internal control systems. Minimum Indian Wells Valley. subsystem contractors and participating Qualification Requirements: As defined in Naval Activities. The incumbent will maintain CSC Handbook X-118. Job Relevant Criteria: A iaison with all cognizant military and conbackground in management, and adtractor activities. Must be willing to accept frequent travel to contractor facilities and management and contract administration is other military commands. Job Relevant Criteria: A working knowledge of airborne fire desired. Incumbent must be an experienced control; experience in working with contractor and qualified typist personnel and a capability to express ideas both orally and in writing, and some

Charlotte Sieckowski, Bldg. 34. Rm. 204, Ph.

## Three Local Sea Cadets Begin Two Week Training in Canada

E3 Mike Schultz, PO3 Jerry Thomas and E3 George Burdick, members of the VX-5 Sea Cadet Squadron, journeyed to San Diego last Friday on the first leg in a trip to HMCS Quadra, a Canadian Naval base located at Comox, British Columbia, where they will participate in 14 days of active duty training.

The three local boys will serve as crew members on a Canadian YFPs, a Coast Guard cutter-type Canadian Navy.

To qualify for this special duty, which is part of an annual exchange of Sea Cadets between Canada and the United States, the three youngsters had to complete a two-week boot camp at San Diego and attain the grade of E3, or higher. This is the second year for Cadet Thomas to participate in this

Any boys between the ages of 14 ship, which carries a typical com- and 17 who are interested in plement of 16 U.S. Naval Sea becoming members of the VX-5 vernment as an employer and, Cadets, in addition to three officers Sea Cadet Squadron are asked to



CANADIAN-BOUND — Naval Sea Cadets E3 Mike Schultz, PO3 Jerry Thomas and E3 George Burdick (1.-r.) load their gear aboard a U.S. Navy aircraft for a flight to San Diego. The three members of the VX-5 Sea Cadet Squadron were beginning a journey to Canada to participate in an annual exchange of Sea Cadets between that

## Employee In The Spotlight

"When I was a school boy during World War II, my dad worked night shift in a defense factory, and we lived in a big, two-story house in Michigan. My mother was so afraid that the house would catch on fire during an air raid, that all us kids slept in the same bed with Mom while Dad was at work."

That was no mean feat, as there were six Peek children at the time. "I've been used to working and living in close quarters ever since," said Gary Peek, a captain in the NWC Fire Dicision, who is the house captain for the NAF fire station.

Born in Lansing, Mich., Gary moved to San Antonio, Tex., with his family when he was 10 years old. He dropped high school and joined the U.S. Marine Corps in 1952, but due to his age (17), he was sent to China Lake for guard duty rather than being sent to Korea, ment. The primary purpose of this position is where the Korean Conflict was

"I met my wife, Norma Dean, here, so it was lucky really that I did the things I did," Gary smiled. budgeting; program projections; contract He finally was sent to Japan and later Korea, but after his discharge in October 1956, he returned to the

In March 1957, Gary went to work for the Fire Division as a fire ministrative and organizational abilties are trainee. "The bottom of the ladder." he commented.

He became a firefighter a year later, and then was made a driveroperator of fire trucks in 1962. In 1965, Gary became a crew chief.

The promotion to captain came in November 1972.

There have been many exciting events in Gary's life as a fireman. Most memorable was his saving a woman's life last year during a residence conflagration. "Right after I got here, we answered a call for a fire at 1 Enterprise R.D,' Gary said. "We stopped that one pretty good," he added. The address is that of the NWC Commander, Capt. F. L. Ashworth at

Gary has been on numerous life saving calls, such as children who are partially drowned in bathtubs, and other emergencies. "And, of course, there's always a cat or two on top of a power line," he joked.

"Most of the time I've worked crash crew," he explained. "It's been a pretty uneventful job over the years, due to the professionalism of the pilots stationed here." he added

Once he had to foam a runway, horses, or lecturing. and one other time a brush fire caused by a jet crash had to be extinguished, but Gary has nothing but praise for the veterans who fly VX-5 and NAF aircraft.

and lifesaving techniques. Gary has attended instructor training school in Fresno, Calif., which qualified him to teach, and he studied advanced first aid at the Academy of Orthopedic Surgeons, in San Francisco, and recently finished two weeks of schooling conducted by the American Red Cross in advanced first aid.

From 1957 he worked for seven years as an ambulance driver for Turner's Funeral Home, and he is also the first aid instructor for the entire NWC Fire Division.

love for horses. He and Norma now category.



Gary M. Peek

own a 61/2 acre ranch in Inyokern where they raise goats, pigs chickens, sheep and horses. "Our children are a big help," said

The Peeks have six additions to the family: Gary, 18, Floyd, 15, Lajuana, 13, Elaine, 12, Yeeta, 4, and Calvin, 2. "For many years we lived in Wherry Housing, until Calvin came along," Gary explained. "He was allergic to cow's milk, so needing goat's milk, we bought a goat. The one goat became 12 and so we bought the ranch," he added.

In his spare time, Gary is a unit leader for the Inyokern 4-H Club horse unit, which marches in parades and horse shows. However, his most energetic contribution to the community comes in his participation as a member of the Indian Wells Valley Search and Rescue Team.

A charter member of the group, Gary has served as a safety officer, underground lieutenant, and past captain.

He and Dr. Carl Austin have journeyed around the valley lecturing on desert survival and first aid. This includes visits to schools and other groups, including the enlisted men and officers of the Air Test and Evaluation Squadron,

Gary is also an elder in the Mormon Church, and he likes to hunt and fish when he isn't giving

## **Local Navy Man** Wins Trophies His major interest is the first aid At Skeet Shoot

HM3 Paul Albert, who has been stationed at China Lake only one month, recently returned from Colorado Springs, where he took part in the All Navy's Skeet Shooting Team in the Armed Forces Skeet championships.

Albert won the Class AA. International Style trophy, and placed third, overall, in the International competition.

In addition, the Navy team won the .410 event and was runner-up in the over all competition. In ad-During his teens, Gary worked dition, the Navy team was runneron a ranch, where he formed his up in the International Style



By Jack Lindsey Curt Bryan missed tying the

China Lake golf course record by two inches last Sunday as he blistered the local links for a neat 67-five under par.

"I almost had a story for you," he said, in describing his round. Well, I think a 67 on this course is always a story, so here it is, Curt.

The two inches referred to was the distance a putt came up short on 18. Had it dropped, Curt would have equalled the 66 shot by Vern Glidden, of Norton AFB.

Pat McDonald, who has also The China Lake All Star scored a 67 on the local links, along eam, shown here in individual with professional Paul Someson portraits, will play in the Area and Lloyd Klaus, once shot a 65 at Tournament in Ridgecrest on China Lake. Unfortunately, it July 20. Teams from came as the last 18 holes of 27 holes Ridgecrest, Lone Pine, and of golf played on the same day. Bishop will compete. The Pat came out early one morning

and played nine holes of golf. Then that afternoon he returned and shot the seven under par 65. According to the rules of golf, the course record should be set-or brokenin consecutive nine holes of golf played on the same day, beginning with the first nine played.

Speaking of Pat, he began competition on the Western Tournament Golf Association's summer series of tourneys earlier this week at Quail Lake Country Club.

The next tournament on the 13week agenda will be played Tuesday and Wednesday at Spring Valley CC, located near Lucerne Valley, off of Highway 66. The it wasn't a fluke. following week, on July 16-17, Pat will play at Yorba Linda CC, and the week after that at Western Hills CC, on July 26 and 27.

## James Gang File

### Protest After Losing Contest

After losing 6-5 to the Pioneers, the James Gang of the Intramural Slow Pitch League, filed a protest weeks, the Terriers defeated the to Sierra View Motors in a battle had been ejected from an earlier Astros, 24-13. game was an illegal participant in the ball game.

During the game, the player 14-12. acted as third base coach for the Pioneers. The outcome of the protest is unknown at press time. Scoring the winning run on a the game, 22-5. The Pioneers scored five runs in balk, the Giants downed the The Indians have wrapped up the the seventh inning to win.

Movers clobbered the helpless but Other league action saw the Gary Moreno went 3 for 4 and fun loving Rollers to the tune of 21- Dodgers score five runs in the sixth carded the win, while Pete Lesniak 7, as Tom LaJeunesse, Ted Bailey stanza to drop the Yanks on June had a perfect night at the plate as and Dan Wagner all homered for 20. Last Monday, the league was he socked out three hits for the

going as they stifled the Dispen- stopped the red-hot Dodgers, 8-7. the Eagles, 11-9. Nicky Young had sary 9-5. Bob Moody went 3 for 3 for But on Friday, the Dodgers three hits in four at-bats, and the boys in blue, but it was errors romped 7-0 over the Tigers and Robert Walters did the same for

## Little League All Star Team Chosen



Dave Boss

Mark Gritton







Danny Myers

Ronny Garrett



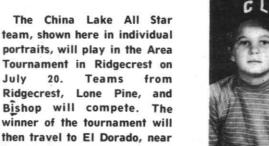
Larry Gilbert



Friday, July 6, 1973

Ricky Noland

Gary Gove



Paul Killilea

Randy Radcliffe

Frank Mayer



Kevin Means

Coach Chartier



District Playoffs

The eventual goal is the Little League World Series, in Pennsylvania.

Lancaster, to compete in the

Missing from the photograph of All Stars are Richie Drake, Terry Gaunt and Ed Kaum-

## Mgr. Gritton

## **NWC Sports Notes**

Dick Hughes, the Cinderfella of old man sports at China Lake, is back at it.

Entered in his first all-comers track meet of the year at Bakersfield Junior College, Hughes ran a 4:45 mile to win and then won the 100-yd., and 50-yd. dashes to prove

lay-off after college, has set a 4:30 goal for the mile race. "I'll get it yet," the tireless trackster said.

#### Lions Victorious

The Lions took the first half in the T-Ball Division of the China Lake Little League with a 5-1 record. Close behind were the Terriers, who finished 4-2.

Lions, 12-3, while also socking the

The Lions took the Astros, 14-10,

### Giants Down Yanks

The late game that night saw the second half championship and Division of the China Lake Little NAF drop Oly's Rollers, 15-1, as the divisional title in the China League by edging the White Sox, 6-Steve Wilson pitched a four-hitter. Lake Little League's major 5, to keep their undefeated skein On June 28, the Mayflower division last Friday night.

tightened temporarily as the Red losers. NAF kept its winning record Sox (who finished in second place) On June 28, the Braves tripped

by the Docs that secured the win. won the title after the Giants the Eagles.

An intra-city game between the The China Lake Varsity softball Dodgers and the Ridgecrest Little team came back to win the second Lueders belted his second home League champions will take place half of a twin bill against Edwards run of the game with two on. at 8 p.m on Diamond No. 4, next Air Force Base's talented nine,

#### Brown Tosses Gem

Hughes, who began running in in the Intramural Fast Pitch powerful Edwards squad earlier competition last year after a long Softball League was Billy Brown's this season, the local softballers Instruments team

The Hideaway buried TI, 13-1. Brown went the distance and received home run support from Randy Klassen.

In the late game last Thursday evening (June 30), JD's dimmed the lights for Desert Motors as they prevailed, 5-4.

between second place teams. Bill Stuart broke a 2-2 tie with a solo homer in the tenth inning.

the Royals, 24-8, and the Terriers, The finale saw Bud Eyre Chevrolet in a laugher with VX-5, as the motor crew ran away with

Yankees 3-2 to hand the Dodgers divisional title in the Minor

## **NWC Varsity Revenges Self** Against Edwards AFB Team

after losing the opener, 11-7.

Improving markedly over their Highlight of the past week's action first outing against the always one-hit jewel against the Texas were behind 8-1 in the fourth inning of the opening game before they began to get warmed up.

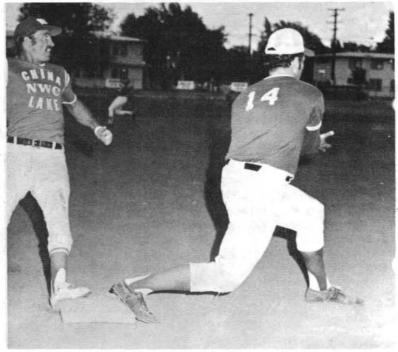
> Burt Andreasen, who had been struggling, was relieved by Paul Amundson then proceeded to hold Field.

the visitors scoreless until Wayne

From that moment on it was all China Lake, as Mark Stoner homered and then Dave Taylor poled one over the left field fence with the bases loaded in the seventh inning.

Continuing into the second game, the locals rallied from a 3-0 deficit to peck away for the 10-6 victory.

The Varsity team will face a team from George AFB in a double-header tomorrow night, Amundson in the fourth stanza. beginning at 6 o'clock, at Reardon



SAFE AT THIRD - John Martin, of NWC, beats a throw into third base. Wayne Lueders, third sacker for Edwards AFB, stretches for

## Seven Receive Advanced Degrees...

(Cont. from Page 1.)

Painter, an operations research analyst in the Mission Analysis Branch of the Propulsion Development Department's Advanced Technology Division, wrote a dissertation entitled "Vibrations of Disordered Binary Chains."

An NWC employee for the past four years, Painter was awarded his Master's degree from Michigan State University in 1968, and received a BA Degree in physics from the University of Redlands, Redlands, Calif., in 1967.

He and his wife, Gloria, have two children, a son, Gary, and a daughter, Jacqueline.

A Master's degree in mechanical engineering was awarded to Carl S. Kumano, from the University of Southen California, Los Angeles, in

Kumano is a mechanical engineer with the Track Branch in the Engineering Department's Ground Operations Division.

He received a BS Degree in mechanical engineering from Fresno State College, Fresno, in

Kumano is single and has been employed at NWC for the past four vears.

Bumgardner, an NWC employee since early 1968, received a MSEE degree in communications from the University of Southern California.

He is an electronics engineer with the Lasers and Electro-optics Branch of the Systems Development Department's Technology Development Division.

Bumgardner received his BSEE Degree in 1966 from Washington State University, Pullman, Wash. He and his wife, Sally, have two sons, Jamie and Jason.

A Master's degree in electrical engineering, with a specialty in control systems, was awarded to Merritt D. Mullen, from the University of Southern California.

An NWC employee since June 1970, Mullen received his BSEE degree from Northrop Institute of Technology, Hawthorne, Calif.

He is employed in the Analysis Branch of the Weapons Development Department's Avoinics Division

Mullen and his wife, Yasuko, have three children: David, Margaret and John.

Henry J. Eberhart, an employee of the Center since 1966, received a drivers has visited military MSME Degree from the University facilities all over the country to of Southern California last fall. He deliver this important message. is an employee of the Mechanical and Aerodynamical Design Branch has been presented to over 14 in the Weapons Development Department's Electro-Optical Systems Division.

Eberhart received a BS Degree from UCLA in June 1966. He and his wife, Linda, have one daughter, Christina.

## Social Security Man Sets Visit To Local Area

A representative of the Social Security office in Lancaster will pay another in his regular series of monthly visits to China Lake next Wednesday, July 11.

Persons wishing to obtain a Social Security number or apply for Social Security benefits can do so at the Community Center between 8:30 and 11 a.m.



Carl S. Kumano



## **Veteran Race Driver To** Give Talk on Road Safety

Johnny Boyd, veteran In- million persons throughout the dianapolis race driver, will be at country, and has won numerous the NWC theater on Monday at automobile safety awards. 10:30 a.m. and again at 1 p.m. to Boyd, one of the most talented gram on highway safety.

track with experiences of moto- of veteran speedway drivers. rists on our highways, streets, and The Safety Department urges all

ally by the Champion Spark program. Plug Company, was originally aimed at teenagers in the nation's high schools. Since 1958 a team of Now in its 17th year, the program



EEO poster for the months of July-August, "Where Does He Go From Here," should now be displayed. Persons who wish information regarding Equal **Employment Opportunities** should call Bob Briley, NWC ext. 2018.

present' an 'award-winning pro- and popular drivers in auto racing, has finished in the top ten in the Arrangements for the program, Indianapolis 500 four times. In 1957 offered free of charge to all NWC he was leading the race in the late personnel and their dependents, stages when he was forced to stop were made by the Safety Depart- for an unscheduled tire change. Though this stop deprived him of Boyd will give a short, timely racing's highest prize, it was done talk on traffic safety, comparing in the interest of safety. This his hazardous experiences on the safety-conscious attitude is typical

NWC employees and their The program, sponsored nation- dependents to see this valuable

## Applications To Enroll in NESEP Now Being Taken

Applications for 1974 enrollment in the Navy Enlisted Scientific Education Program (NESEP) must reach the Chief of Naval Operations by Sept. 1, 1973.

This program consists of four years of uninterrupted education at one of 22 leading universities. While at school, one studies for a baccalaureate degree in engineering, physical science or mathematics. Upon completion of this education, one receives a commission.

Benefits of a NESEP officer candidate include free tuition, fees and books, plus full pay and allowances for one's enlisted pay

To date, more than 2,260 officers have been commissioned from NESEP. Anyone interested in the program should contact their career counselor or consult OP-NAVNOTE 1530 of April 9, 1973.

## **Valley Citizens Honored** At Safety Council Luncheon

Representatives from the police Force Base, was elected to replace and fire agencies of the Indian Booker for the remainder of Wells Valley and Kern County, plus Booker's term of office. persons from other government agencies, were guests at a business meeting of the Mojave Desert Chapter of the Federal Safety Council, held at NWC on June 14.

Capt. D.W. Alderton, NWC's Active Military Deputy Commander, was on hand to greet the members and guests. "I am very happy to see the various organizations send representatives to this meeting," he stated in his opening remarks. "I believe safety is everybody's business," he added.

Capt. Alderton went on to say that the pooling of knowledge added to experience in handling various problems could further safety for all.

"We want to make NWC a safe place to work, so that injuries, accidents and hazardous conditions will be eliminated as much as possible," the Deputy Commander said. He further stated that he believed safety rules and regulations cannot entirely make for safety. "Safety is the result of interest, attitude and effort by individuals. It is the responsibility of everyone, and only by cooperative effort is it achieved,' he concluded.

SMCS R.K. Brown, and EMC H.L. Hamrick, of the Explosive Ordnance Disposal team, presented a demonstration of explosives being detonated for the group. Six small charges, including four explosives charges, one detonator rope and a "train" of smokeless powder, were detonated to military sponsor stationed overillustrate the amount of damage a seas, or assigned to a unit relatively small amount of ex- operating in an overseas area. plosive can cause.

Mel Booker, Safety Director of the 29 Palms Marine Corps Base, who is chairman of the group, stated during the business portion of the meeting that he was retiring basis, with the one-way ticket valid at the end of June. H.W. Smith, , for one year. The round-trip ticket Safety Officer for Edwards Air will be valid for 45 days.

Reduced Air Fare **Available For** 

Active duty military personnel and their dependents, are now eligible for reduced air fare to overseas locations on regularly scheduled, commercial air carriers to approximately 10 cities in the Western Pacific, and 26 in

Great Britain and Europe. These fares are established for non-official transportation when the passenger is traveling at his own personal expense. The fares provide reserved seat travel-and some trans-Pacific flights permit stopovers during the trip.

The rules governing travel may differ between airlines and should be confirmed with the specific airline concerned when travel plans are made.

Interested persons should contact Sam Gadzia, NWC ext. 3321, for a list of airlines.

In order to be eligible, active duty military personnel must be stationed overseas, or assigned to a Naval unit operating in an overseas area. Tickets will only be issued on a round-trip basis with a validity of 45 days, and must originate outside the United States for travel to the U.S., and return.

Dependents of active duty military personnel must have a Dependents may travel between the U.S. and overseas, originating

in either direction. Dependent tickets will be issued on either a one-way, or round-trip

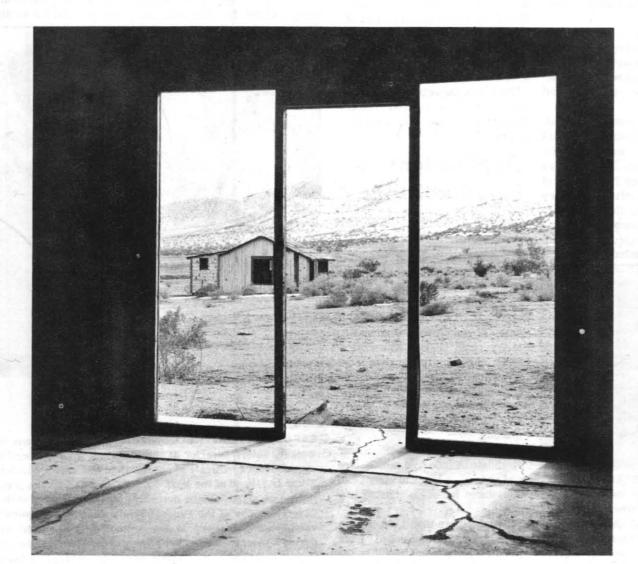


SAFETY EFFORT RECOGNIZED — Congratulations from Mal Booker, Safety Director at the 29 Palms Marine Corps Base, accompanied a certificate of appreciation that was presented to K. S. Skaar (r.), head of the NWC Safety Department. The presentation, which took place recently during the business meeting of the Mojave Desert Chapter of the Federal Safety Council, recognized Skaar's valuable contributions to the promotion of accident prevention during his term of office as chairman of the group. Booker mentioned in particular the Traffic Safety workshop initiated by Skaar during which traffic accidents at the members' bases were reviewed and suggestions developed on how the number of such accidents could be -Photo by PHAN Jerry Sizemore

## Man Fascinated for Centuries by Bubbling Mud, Scalding Steam of Coso Hot Springs



STEAM AND SNOW — Intense heat to freezing cold are shown in this photo, taken last winter of the principal site of Coso thermal activity.



 ${\sf COSO}$  IN WINTER — Snow-covered mountains of the Coso Range are seen through the doorway of an old bath-house.

By Elizabeth Babcock

ROCKETEER

History, danger, and fascination these words are evocative of the complex geothermal area known as Coso Hot Springs.

Located on NWC ranges, the springs have been associated with magic and healing for centuries. A fascinating destination for a one day trip, this is not a place to explore carelessly. The fumeroles (volcanic vents) at Coso Hot Springs send out vapors of at least 2040 temperatures, and at least two painful accidents have occurred recently when people broke through the surface crust to the hot mud below. Still, despite the danger, the fascination of these springs has led men to use them for centuries. One Indian legend says that man and woman were first created from the red earth at Coso Hot Springs.

The prehistoric people of the Coso Range, living there perhaps as long ago as 1000 years, were probably Western Shoshoni, speaking a Shoshoni-Comanche dialect. Because men had to roam over great areas to find sufficient food, the population was never very large. A. E. Kroeber, a recognized authority on indigenous cultures of California, felt this region would not have supported more than 500 people. The population around Coso Hot Springs was estimated at approximately 100 in 1938.

These Indians practiced a transient way of life. People were constantly on the move, foraging from each foodgathering area in turn as native plants came into season. In the winter, people lived in pit houses in the hot springs area, eating stored seeds and hunting rabbits. In the spring, many families would go to Owens Lake to harvest fly larvae, considered a great delicacy.

Early summer would often see a communal antelope or bighorn sheep hunt. Antelope, now locally extinct, were fairly common in Indian Wells Valley before the turn ( 'he cer y.

Midsummer to rail would find families ranging over large territories, sometimes as far away as Death Valley, to harvest many varities of seeds, to eat immediately and to store through the winter. When pinon nut time came in September and October, all families would move to higher elevations to harvest this most important food staple. Ducks from Owens Lake and rabbits were also hunted at that time. People would come from great distances to take part in big communal rabbit drives.

As in so many other cultures, a big fall festival would follow the harvest. With an ample supply of pinon nuts gathered and with a rabbit feast behind them, people would gather at the springs to celebrate and to observe the annual mourning ceremonies.

Activities during this combination of Memorial Day and Thanksgiving Day were gambling, singing, and dancing a slow circle dance to bring general wellbeing to the tribe.

Now the only remnants from this subsistance-level civilization to be found are obsidian arrowheads and the name Coso itself, meaning "fire" or "broken coal."

Although Coso is a Shoshone word, it was actually applied to the region first by Dr. Darwin French in March 1860. Dr. French and his party came through these mountains searching for the famous Gunsight Mine, named cause a prospector is reputed to have made what turned out to be a silver gunsight from a hunk of metal he picked up on the desert.

One of the members of Dr. French's party, Dennis Searles, later came back to these regions with his brother, John, to mine borax in the lake now bearing their name.

The French party's discovery of silver in the Coso mountains led to extensive mining activity—300 miners and prospectors were in the area by that July! San Francisco and Visalia newspapers spurred on this mining activity with reports of silver ore at the Coso ledges assaying at over \$2,000 a ton. By May 1862, however, white men abandoned the region because of Indian hostilities. By 1867 Coso was known as "the Spanish mines" because of its small permanent Mexican population.

In the 1920's and '30s, a small resort was located at the main hot springs. The spring waters and the hot mud again assumed a ceremonial function, this time to promote good health. A 1921 entrepreneur advertised Coso Hot Springs as the "Greatest Natural Radio Hot Spring in America," guaranteeing that the springs would effect almost miraculous cures of stomach diseases, rheumatism, and kidney trouble.

Some attempts at mining the thermal area were made at the same time. During World War I, an unsuccessful attempt was made to mine sulfur at the Devil's Kitchen. Later mining activities produced cinnabar and small amounts of mercury.

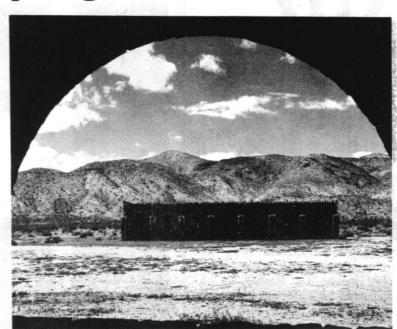
Now the remains of the resort, which ceased to function in the mid-'30s, fall into ruin, while the hot springs and fumaroles bubble on, just as they have for possibly thousands of years.

Although the Coso Hot Springs area is extremely dangerous, careful visitors are allowed. The approximately 50-mile trip also takes visitors past Glass

Mountain, an obsidian dome used extensively by the Indians to make arrow points. Permission to visit the area must be requested from the NWC Public Affairs Office. Any group visiting the springs must take at least two automobiles and must be accompanied by a NWC employee. Only visits of one day's duration are allowed.

The springs may be reached by driving 37 miles north of China Lake on US 395 to Coso Junction (Gill's Oasis), and then taking the narrow paved road turning off to the east. Coso Hot Springs is located about 11 miles from Coso Junction.

Two publications, both available from the Maturango Museum, will enhance the visitor's appreciation of this geologically complex area. A pamphlet by Dr. Carl F. Austin, "Coso Hot Springs, a Guide to Geology in Action," contains a concise historical account of the area as well as an informative road log, useful for the trip. "Rock Drawings of the Coso Range," by Campbell Grant, James W. Baird, and J. Kenneth Pringle, not only has an informative discussion of local Indian culture, but contains extensive information on petroglyphs, useful for another trip that can be taken on NWC ranges—this one to Petroglyph and Renegade Canyons. Both publications were used in preparation of



UNLIKELY JUXTAPOSITION — Looking strangely out of place against the soft contours of the desert landscape, a building from the Coso Health Spa is seen through the graceful arched portico of another of the resort's abandoned structures.

# Photos By William Fettkether



NATURE TAKES OVER — Debris of the Coso health spa falls into the boiling mud and is changed by the mineral action of the springs.



DESERT PANORAMA — Several volcanic cinder cones loom above the abandoned buildings of the Coso Hot Springs resort. Faucet in foreground, once used to regulate steam baths, now stands as mute monument to change,