



ART AND FLOWER SHOWS HELD — Events staged on May 1 and 2 at China Lake as part of the Ridgecrest Chamber of Commerce-sponsored High Desert Escapade were a standard flower show at the Enlisted Mess, a wildflower show at the Maturango Museum, and an art show and sale at the Community Center. A table filled with roses (top left) was a popular attraction of the standard flower show, and there were numerous divisions of entries ranging from flowering vines and shrubs to fruits and vegetables, in addition to artistically prepared dried

arrangements. Caught relaxing for a moment from their duties of co-chairman and chairman of the standard flower show are Marianne Kistler and Alice Hirsch (top right photo). Checking over a table filled with a wide variety of wildflowers (lower right) are visitors who were here from Seal Beach to attend a birthday dinner of local Chapter 17 of the Pearl Harbor Survivors' Association. Among the visitors to the art show and sale were Mrs. Louise Yockey and daughter, Janis, who were attracted to the oil paintings of desert scenes done by Donnie Woods.

### Local Pearl Harbor Survivors' group celebrates birthday

More than 70 persons attended the eighth annual birthday dinner of local chapter No. 17 of the Pearl Harbor Survivors Association, which was held last Saturday night at the Chief Petty Officers' Club.

Among the guests of honor here for this occasion was Bill Aupperlee, the association's national president, from North Hollywood; Hall Pickard, national secretary, from Las Vegas; and Ed Flaherty, California state chairman of the Pearl Harbor Survivor Association, from Sepulveda.

Robert N. Campbell, president of Chapter 17, was the master of ceremonies for the evening. His duties during the evening included presenting a 4 by 5-ft. framed photo to Aupperlee as a gift from the Naval Weapons Center.

The photo, one that had been on display for some time in the NWC Administration Building, is of a present-day Navy aircraft carrier sailing past the USS Arizona Memorial in Pearl Harbor.

Visible in the background are the concrete abutments at one end of Ford Island where U.S. battleships were tied up and suffered a heavy toll during the Japanese attack at Pearl Harbor on Dec. 7, 1941.

On that fateful day, Campbell was an aviation metalsmith serving as the crewmember of a Navy PBV patrol aircraft.

The birthday dinner of the Pearl Harbor Survivors Association drew visitors from as far away as Hemet, Seal Beach, the San Fernando Valley and Bakersfield, as well as from Barstow and Victorville.

### Art supplies on sale

Artists in the local area whose artistic muse is inspired by spring will be able to paint twice as much — the Navy Exchange retail store is offering all its art supplies from Skylight Studio at 50 percent off.

These supplies include paint, brushes, charcoal, pastels, drawing boards and whatever else is needed.

MOVIES

(G) ALL AGES ADMITTED  
General Audiences  
PG: ALL AGES ADMITTED  
Parental Guidance Suggested  
R: RESTRICTED  
Under 17 requires accompanying  
Parent or Adult Guardian

Regular starting time 7:00 p.m.

**FRIDAY "PRINCE OF THE CITY" MAY 7**  
Starring  
Treat Williams and Jerry Arbach  
(Drama, rated R, 167 min.)

**SATURDAY "THE FRENCH LIEUTENANT'S WOMAN" MAY 8**  
Starring  
Meryl Streep and Jeremy Irons  
(Romantic Drama, rated R, 124 min.)

**SUNDAY "PINOCCHIO" MAY 9**  
Animated  
(Rated G, 95 min.)

**MONDAY "SEEMS LIKE OLD TIMES" MAY 10**  
Starring  
Goldie Hawn and Chevy Chase  
(Comedy, rated PG, 102 min.)

**WEDNESDAY "WATCHER IN THE WOODS" MAY 12**  
Starring  
Bette Davis and Carroll Baker  
(Mystery, rated PG, 89 min.)

**FRIDAY "BUDDY BUDDY" MAY 14**  
Starring  
Jack Lemmon and Walter Matthau  
(Comedy, rated R, 96 min.)

\* U.S. Government Printing Office:  
1982 - No. 1023

**From:** \_\_\_\_\_

PLACE  
STAMP  
HERE

**To:** \_\_\_\_\_

### College/community orchestra concert set Sun.

The final concert of the current season by the Cerro Coso Community College/Desert Community Orchestra will be presented at 4 p.m. Sunday in the college lecture hall.

Because this program falls on Mother's Day, the orchestra, directed by Dr. Walter Unterburg, will play Ludwig van Beethoven's "Gratulations-Menuett," in addition to selections that include musical works by J. S. Bach and Felix Mendelssohn.

There are two featured soloists for the performances: Sandra Osman Raines will sing Bach Cantata 170, "Vergnugte Ruh, beliebte Seelenlust," and Paul Riley will be

featured in the Mendelssohn Concert for Piano and Orchestra No. 2 in D minor.

Ms. Raines first came to this area when her father was stationed at NWC as the senior Protestant chaplain. She returned to Ridgecrest two years ago and now teaches two voice classes at Cerro Coso Community College, privately instructs piano and voice students, and sings and accompanies for various community activities and groups.

Ms. Raines, who is also a registered nurse, is active with the Christian Women's Club and the All Faith Protestant Chapel, as well as the Desert Community Orchestra. She has played piano since age six and

studied voice since college; she has sung in college and church choirs and directed children's choirs.

Paul Riley, piano soloist, is also very involved in the community. Dr. Riley, who completed his doctorate in higher education at Brigham Young University last year, is Dean of Student Personal Services at Cerro Coso Community College and teaches political science. His hobbies include gardening, jogging, and "making music."

His musical activities in the community include musical direction and accompaniment for both college and Community Light Opera and Theater Association (CLOTA) productions, conducting clinics and workshops for local music teachers, and playing piano for dance bands and combos.

Dr. Riley is also a member and past president of the Desert Community Orchestra Association and the Desert Counseling Clinic.

Tickets to the concert will be available at the door; the general admission price is \$3, and students, senior citizens, and enlisted military will be admitted for \$1.50.

### New WACOM officers to be installed Tues.

New officers of the Women's Auxiliary of the Commissioned Officers' Mess will be installed during a luncheon to be held on Tuesday at the COM.

A social hour at 11:30 a.m. will precede serving of the luncheon entree (stuffed tomato with chicken salad plate) and a dessert at a cost of \$3.75 per person.

Ivy Meyer, WACOM parliamentarian, will be the installing officer during the ceremony in which Vivian Wright will succeed Madeline Dienhart as president. Other officers to be installed are Helen Estell, vice-president; Wilma Gartrell, secretary; and Tina Knemeyer, treasurer.

## Weekend Roundup

Music of the 1960s will be featured tonight at the Chief Petty Officers' Club, where the entertainment will be provided by Sunlight, a local dance band.

Those wishing to do so are encouraged to attend in costumes appropriate for the period two decades ago. The band will begin playing at 8:30 p.m.

Dinner specials of the evening will be prime rib of beef or Icelandic white fish that will be prepared and served from 6 to 9 o'clock.

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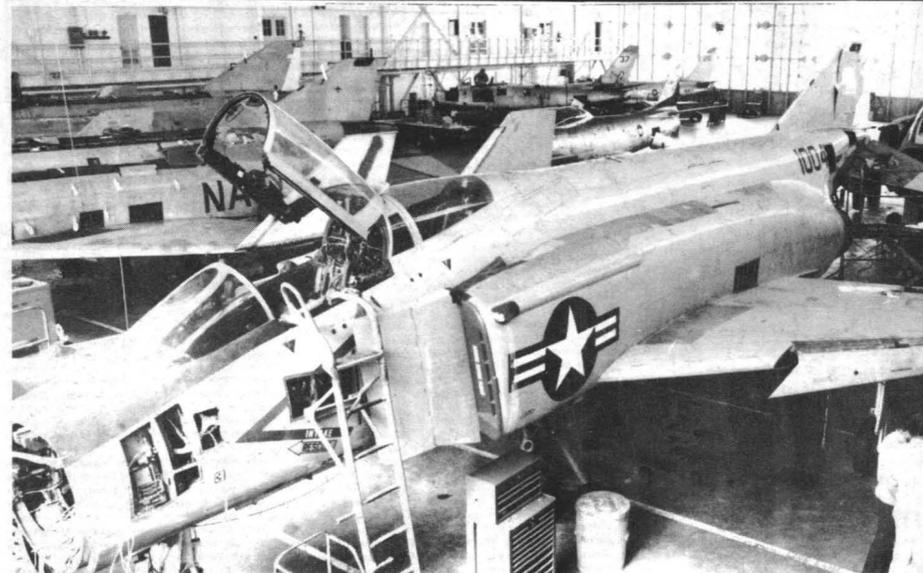
A "Wheels for Life" bike-a-thon to benefit St. Jude Children's Hospital begins tomorrow at 8 a.m. at the East Kern Regional Park in Ridgecrest, with each rider covering a 3-mile route. Unsponsored riders can still register tomorrow to take part, and will have the opportunity to win prizes donated by local individuals.

Prizes will be awarded on the basis of riders collecting the most pledges in cash. Local We Care volunteers are serving as agents for St. Jude's and all money that is collected will be sent to the hospital.

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A Mothers' Day buffet will be served on Sunday from 2 to 7 p.m. in the dining room of the Chief Petty Officers' Club.

Main entrees on the menu will be steamboat round of beef, turkey and ham. The price is \$8 for adults and \$3.50 for children under 12 years of age. As an assist to the CPO Club chef and others preparing the food, it is asked that reservations be made by calling NWC ext. 3633.



BEEHIVE OF ACTIVITY — Contractor employees from Northrop are busy with the task of converting F-4 Phantom aircraft to QF-4 target drones that will be used in tests of sophisticated aerial weapons systems and components over ranges at the Naval Weapons Center and the Pacific Missile Test Center, Point Mugu, Calif. The drone conversion work is being carried out in Hangar 2.

## Converting F-4 to drone aircraft meets big need for more maneuverable target

The development and testing of more sophisticated aerial weapons systems and components calls for improvements in the speed and maneuverability of the targets that can realistically simulate an enemy threat.

Most recent of the military aircraft being converted to pilotless drones is the F-4 Phantom. It was selected because of its high performance capability, and also because it is powered by two J-79 afterburning jet engines that provide a good simulation of afterburning threat aircraft. This full scale aircraft target (FSAT) is designated the QF-4.

Personnel of the NWC Weapons Department's Remotely Piloted Vehicle (RPV) Technology Branch are participating in a Naval Air Systems Command program for the development and production of full scale aircraft targets (FSATs), the latest of which is the F-4 that is undergoing conversion to drone status.

Development work has been concentrated on an engineering prototype of the F-4 drone on which flight testing was completed on March 1.

Several F-4s were brought to NWC from the Military Aircraft Storage Facility at Davis Monthan Air Force Base near Tucson, Ariz. In some cases this was accomplished by carrying the F-4 in a sling under a Sky Crane helicopter. Other F-4s were flown to Armatage Airfield in the conventional piloted mode.

These aircraft are being restored to flightworthiness by an inspection and repair as necessary procedure. Conversion of the F-4s to QF-4 targets is performed by contractor employees — currently Northrop.

Control of the F-4 drone is accomplished by use of a Universal Control Console (UCC) — a modified Link trainer — and an Integrated Target Control System (ITCS) that is operated by the drone controller during flights of the pilotless aircraft.

The UCC's stick, throttle, and rudder-and-brake controls are modified to send signals

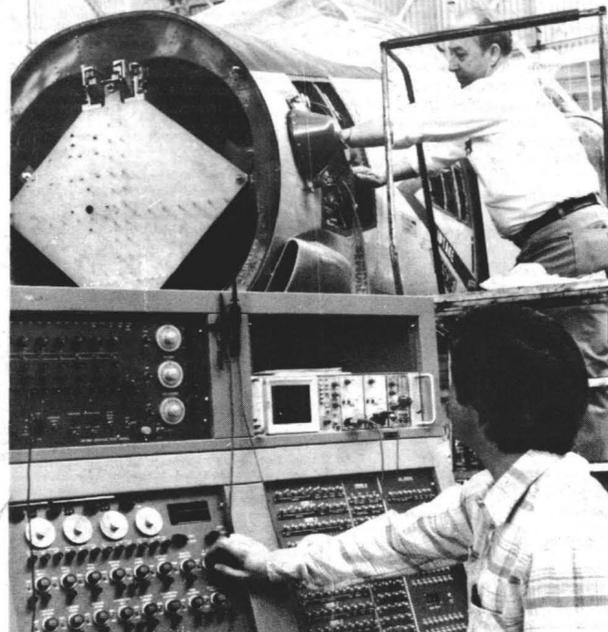
to the drone aircraft via the ITCS, which combines command, control, and tracking functions.

Thanks to the contributions of Donald W. Harris, a mechanical engineer in the RPV Technology Branch (Code 3925), target control technology has been advanced by moving from an analog to a digital

microprocessor automatic flight control system that utilizes microprocessors in both the Aircraft Interface Unit (located in the nose of the aircraft) and in the Universal Control Console (UCC) on the ground.

The capability of controlling the F-4 using a microprocessor-type system has made it

(Continued on Page 4)



TESTING, TESTING — Carl Finch (in foreground) flips switches on the test cart to determine if the Aircraft Interface Unit located in the nose of an F-4 that has been converted to drone status is functioning properly. On the ladder behind him is Hal Schmeer, who focuses his attention on what is taking place as the test cart sends signals to the AIU.

— Photo by Don Cornelius

## MIT's Sloan Fellowship goes to Mark Stenger

The Massachusetts Institute of Technology has announced that Markham F. Stenger has been selected as one of 57 mid-career executives from throughout the world as an Alfred F. Sloan Fellow. Stenger, a Naval Weapons Center employee since 1970, has most recently served as Sparrow Program Manager.

The 49 men and 8 women, who were nominated by their organizations for the program, will follow a one-year course of study leading to a Master of Science degree in Management at M.I.T.'s Alfred P. Sloan School of Management.

Their studies include tours abroad to talk with government leaders overseas as well as seminars with American government and industrial leaders.

Stenger, a veteran of four years in the Navy, holds a bachelor's degree in electronic engineering from San Jose State University. He came to China Lake upon graduation, and, on completing his Junior



Markham F. Stenger

Professional tours, was assigned as part of the original design team for Sidewinder AIM-9L.

His work with Sidewinder then led to his becoming technical manager of the Sidewinder AIM-9AM program before becoming head of the Air-to-Air Systems Office (Code 3905).

From this assignment, Stenger was selected to be the program manager for the Sparrow missile, which he says, has broadened his point of view because it resulted in a different kind of interface with a contractor than had his work on Sidewinder.

Stenger is currently on leave until he heads to the greater Boston area in June to take up an intensive summer of study for the degree program.

He says that he is looking forward to the change of pace that the Sloan Fellowship promises, and to the broader exposure of management principles and procedures that the program will bring so that he can be an asset to both the Naval Weapons Center and the Navy.

During this year he does not anticipate having much time for his hobbies of gardening, fishing or backpacking, although he plans some sightseeing when his younger son, Jeffrey, 17, will join him in Boston. His older son Michael, 20, is employed by Comarco and does not anticipate being able to make the trip to the east coast.

(Continued on Page 3)



SEA CADET CHANGE OF COMMAND — Lt. Jackie Kinnard, executive officer. The change of command took place during a ceremony held last Saturday morning in a drill area used by the Sea Cadets in the rear of the Branch Medical Clinic. The Sea Cadets, sponsored by the Indian Wells Valley Council of the Navy League, hold regular drill sessions on the second weekend of each month. — Photo by Mickey Strang

### Workshop on 'Woman of 80s' scheduled on May 15 at BHS

All women in the Indian Wells Valley and surrounding areas are invited to attend an all-day workshop entitled "Woman of the 80s" to be held on Saturday, May 15, in Wing Mat at Burroughs High School.

The workshop is sponsored by the China Lake chapter of Federally Employed Women (FEW); it is designed to be of interest to women of all ages.

Fee for the day of workshops and seminars is \$25 for nonmembers of FEW and \$20 for FEW members. Those who wish to have a turkey sandwich lunch with a salad may reserve the lunch when they register, and pay its \$2.25 cost when it is picked up; brown baggers are equally welcome.

The workshops offered both morning and afternoon include "Set Yourself Free With Color," by Carol Benton; "Women and the Law," by Ruth Cooper; "Hairstyling and Hair Care," by John Dial; "Stress and Burnout," by Gladys Jacques; "Nutrition — Moving Towards Optimum Health," by Judi Redmond; "Publicizing Your Club's Activities," by Elizabeth Babcock; and "Make-up and Skin Care," by a representative from the Creation of You Health Spa.

In the morning only a double seminar will be presented entitled "Be Practical and Update Your Wardrobe," by Helen Dyck and "A Wardrobe for the Working Woman," by Betty Kruk.

Seminars offered in the afternoon only are

"Create a New You in '82" by Jackie Bumgardner, and a double seminar, "Underneath It All," by Jacque Sharp, and "Fashion Wardrobe," by Dodie Gorrono. Preregistration may be completed by mailing a check to Federally Employed Women, IWV Chapter, P.O. Box 608, Ridgecrest, CA 93555. Registration will also be possible between 8:30 and 9 a.m. on the day of the seminar, which begins at Burroughs High at 9 a.m.

Anyone who has any questions is invited to telephone either Margy Zinke at 375-4007 during the evening, or Wanda Clark at NWC ext. 3361 during working hours.

### Presentations slated on new health benefit plan

Several presentations about the Foundation for Medical Care Plan, a new comprehensive health benefit plan that is available to NWC employees, have been scheduled during the next 2½ weeks.

The briefings, all of which will be held in the Yucca Room of the Community Center, will take place at 8:30 and 10 a.m., as well as at 1:30 and 3 p.m. on May 11, 12, 19, 20 and 25.

Mrs. Marguerite Paige, a field representative of the Foundation for Medical Care Plan, will be here on each of these days from 7:30 a.m. to 4:30 p.m. to answer questions, and also to give the briefings at the times they are scheduled.

## Promotional opportunities

Applications (Standard Form 171) should be put in the drop box at the Reception Desk of the Personnel Dept., 505 Blandy. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current permanent NWC employees only. All others desiring employment at NWC may contact the Employment, Wage & Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Advertising positions in the Promotional Opportunities column does not preclude the use of alternative recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

**Announcement No. 3428, Interdisciplinary Mech/Aero/Industrial Engineer, DP-830/841/894-2/3, PAC 823643E45, Code 3642** — This position is located in the Engineering Support Branch, Fleet Engineering Division, Engineering Department. Incumbent plans, schedules, coordinates and/or conducts detailed phases of technical work in part of a major project or in a total project of moderate scope. Conveys, plans and/or conducts research, design, development, and/or test and evaluation in problem areas of various system/missile programs; develops or tests new or improved equipment or subsystems that significantly add to operability and usefulness. Job Relevant Criteria: Knowledge/experience in development, production, field support of guided missile aff components (warheads, rocket motors, air frames, wings, fins; electromechanical devices such as S&As, arming and firing devices, etc.); explosive/propellant loading and processing. Experience with Navy Recruitment and Systems Acquisition process; component failure investigations/analysis; environment and/or component testing of missile component; ability to work as a member of a team; ability to communicate clearly and effectively, both orally and in writing. Status eligibles accepted. Previous applicants need not reapply.

**Announcement No. 3429, Quality Inspection Specialist, DT-1940-2, PAC 823642E, Code 248** — This position is located in the Facilities Support Contract Division, Public Works Department. Incumbent provides guidance, counsel and assistance to technical representatives of the Commanding Officer (TRCO) on specification interpretation, definition of acceptable contractor performance, resolution of disputes with contractors, etc. Job Relevant Criteria: Knowledge of the organization and functions of Public Works; ability to communicate effectively orally and/or in writing; ability to deal with all levels of employees at NWC.

**Announcement No. 3431, Accounting Technician, GS-5341-5/7, PD No. 8242011N/8242009N, Code 6202** — This position is located in the Range Department Staff Office. Serves as assistant to head of staff with primary responsibilities in the areas of space and facilities, budget development and monitoring, security, departmental policies and procedures, and management analysis studies pertaining to manpower resources, department paperwork processes or any other organizational issues requiring data gathering, analysis and evaluation. Serves as coordinator for awards, training, incentive payouts, and general personnel procedures within the department. Job Relevant Criteria: Ability to gather information from written documents, data sheets, instructions and/or regulations and organize the data in a clear, concise format; ability to plan, organize, coordinate and complete different types of work; ability to establish effective working relationships with all levels of personnel, both within and outside the immediate organization; knowledge of personnel, budget, security, plant account and equipment management rules, regulations and procedures. A Supplemental Qualifications Statement is required in addition to the 171; it may be obtained from Claire Boyd, Room 117, Personnel Department, 505 Blandy Ave.

**Announcement No. 3432, Secretary (Typing), GS-318-3/4, PD No. 8242010N, Code 4212** — This position is located in the Environmental Engineering/Evaluation Branch, Ordnance Test & Evaluation Division, Range Department. The incumbent will provide secretarial duties such as: maintaining the supervisor's calendar, screening and referring calls and visitors; screening and routing correspondence, maintaining records, schedules meeting and conferences, prepares time cards and arranges travel. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail, ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff of processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conference. Supplemental Qualifications Statement is required for secretary positions and may be picked up at the Receptionist's Desk, 505 Blandy Ave., Personnel Department, (Continued on Page 7)

**Announcement No. 3433, Supv. General Engineer DP-801-3, Supv. Electronics Engineer DP-855-3, Supv. Mechanical Engineer DP-830-3, Supv. Aerospace Engineer DP-861-3 (Interdisciplinary), PAC No. 823324E4, Code 3384** — Incumbent will head the Weapons Survivability Laboratory, Survivability and lethality Division of the Defense and Sensors Department. Incumbent supervises a team of engineers and technicians responsible for preparation, experimentation, and analysis of aircraft and missile systems survivability. Directs scheduling and coordination of programs/resources, proposal development, cost estimating, and test plan reviews. Reviews and approves or recommends changes to weapon systems modifications, safety procedures, and explosive safety certification board applications. The incumbent formulates contract RFPs, evaluates proposals, participates in contract negotiations, and administers contracts. The incumbent is responsible for lab improvements planning, financial management and control, on-site support contract administration, lab records and program documentation management, and upper management requirements support. Functions as a consultant to Navy, DoD, and private industry on matters concerning survivability technology experimentation. Applicants should submit a copy of Form 171 to Susie Cross, Personnel Bldg., Rm. 113.

**Announcement No. 3434, Administrative Assistant, GS-341-5/7, PD No. 8242011N/8242009N, Code 6202** — This position is located in the Range Department Staff Office. Serves as assistant to head of staff with primary responsibilities in the areas of space and facilities, budget development and monitoring, security, departmental policies and procedures, and management analysis studies pertaining to manpower resources, department paperwork processes or any other organizational issues requiring data gathering, analysis and evaluation. Serves as coordinator for awards, training, incentive payouts, and general personnel procedures within the department. Job Relevant Criteria: Ability to gather information from written documents, data sheets, instructions and/or regulations and organize the data in a clear, concise format; ability to plan, organize, coordinate and complete different types of work; ability to establish effective working relationships with all levels of personnel, both within and outside the immediate organization; knowledge of personnel, budget, security, plant account and equipment management rules, regulations and procedures. A Supplemental Qualifications Statement is required in addition to the 171; it may be obtained from Claire Boyd, Room 117, Personnel Department, 505 Blandy Ave.

**Announcement No. 3435, Multidisciplinary (Eng. Tech., Elect. Eng., Elect. Tech., Aero. Eng., Physicist, Math.), DP-855/841/1310/1520-3 or DT-802/856-3, PAC No. 823551-3, Code 3555** — This position is located in the Test Operations Branch, Electronic Warfare Threat Environment Simulation (EWTES) Division of the Electronic Warfare Department. The incumbent functions as an RTD&E project engineer and assists contractors in designing, planning and conducting airborne electronic warfare tests. The incumbent works in a fluid real time environment which requires coordination with other divisions and departments as well as other DoD agencies. The incumbent is required to develop budgets, follow project costing, and write end of phase/program test and financial reports. Job Relevant Criteria: Knowledge of RTD&E test procedures, radar systems and Fleet aircraft avionics; ability to make sound decisions in a real-time environment; ability to coordinate work efficiently and effectively; ability to work independently. This position is on the first-40 hour schedule.

**Announcement No. 3436, Administrative Officer, GS-341-11, PD 7736112E, Code 3646** — This position is located in the Harpoon Program Office, Engineering Department. The incumbent is Harpoon business manager. The program office is responsible for the direction and coordination of all aspects of the technical support of the Harpoon missile development and production program. The incumbent is responsible for all program financial planning and management. This includes the production program, product improvements, FMS, and GFE financial management. He/she must also manage all program administrative support through the program office. Naval activities, other NWC organizations and contractors for the purpose of defining technical objectives and controlling progress of activities. Ability to communicate clearly and effectively, both orally and in writing. Ability to coordinate, monitor and review performance of contractor efforts. Ability to work as a member of a team and work well with professionals of several disciplines. Previous applicants need not apply.

**Announcement No. 3437, Interdisciplinary, Electronics/Mechanical/Aerospace/General Engineer/Computer Scientist, DP-855/830/861/801/1550-3, PAC 823515-3, Code 3109** — Position is located in the Versatile Computing Systems (VCS) Program Office. Incumbent will assume the position as a project engineer, responsible for computer aided support systems at various naval training sites. The incumbent develops, monitors, and coordinates program from inception to completion. The incumbent is responsible for the establishment and/or verification of site unique requirements and ensures these requirements are achieved through the program office. Naval activities, other NWC organizations and contractors for the purpose of defining technical objectives and controlling progress of activities. Ability to communicate clearly and effectively, both orally and in writing. Ability to coordinate, monitor and review performance of contractor efforts. Ability to work as a member of a team and work well with professionals of several disciplines. Previous applicants need not apply.

## Ideal weather draws throng of 160 entrants for 10-mile race

Weather conditions that were "nearly ideal," coupled with the growing interest in jogging and running, attracted a throng of more than 160 participants for the eighth annual 10-mile Inyokern run staged last Sunday by the Over-the-Hill Track Club (OTHTC).

This event, one of the activities held in conjunction with the High Desert Escapade, began at the intersection of South China Lake Boulevard and Highway 395. Runners followed the old route of Highway 395 north to the finish line at Inyokern Park.

First place was won by Bill Wilson, an Australian who is here on a NWC Fellowship. Wilson, who also competed in this year's Boston Marathon, ran the 10-mile distance in 55 min., 14 sec.

Not far behind was Danny Contreras, from Riverside, who was the defending champion after winning this event in 1980 and 1981. Contreras was clocked at 55:36.

First among the Navy entrants to finish the 10-mile run was Bob Vest, whose time of 57:26 earned him third place overall.

Wilson won a plaque for his efforts, while the men who came in second through fourth received paperweights, and the fifth through twelfth-place finishers were presented engraved medals. In addition to those already mentioned, the recipients of these awards, and their times, were as follows:

John Stoessel, of Santa Monica, 57:27; Tom Rindt, Ridgecrest, 57:49; Bill McNabb, NWC Navy man, 58:40; Stan Hughes, Ridgecrest, 61:24; Dave Harvey, Lake Isabella, 62:17; Dan Arachikavitz, Barstow Marine, 62:54; Larry Meyer, Ridgecrest, 63:16; Ray Crawford, Barstow Marine, 63:19; and Bo Shaw, Ridgecrest, 63:39.

The women's division of the race was won by Denise Bedford, of Riverside, whose time of 67:14 was nearly 5 min. better than her winning mark last year. She received a plaque, while the second place award (a

## Soccer results

Thunder, who were playing shorthanded, and there was 1 goal for the Drillers that was tallied by David Shumay.

Three games played by Div. 3 teams also ended in shutouts as the Lancers, Blizzard, and Sockers knocked off the Earthquakes, Aztecs and Cosmos by scores of 1-0, 2-0, and 3-0, respectively.

A third quarter goal by Blake Ashley provided the 1-0 margin of victory for the Lancers in their win over the Earthquakes. Good passing set up both goals for the Blizzards in their 2-0 defeat of the Aztecs. Mark Anderson tallied one goal on a rebound, and Lincoln LaRoe scored on a breakaway for the game's only other score.

Two goals by Mike Bowen and one by Shawn Hamilton resulted in a 3-0 win for the Sockers over the Cosmos.

Drives for goals by Chris Marshall and Brad Bays of the Chiefs erased a 1-goal deficit and produced a 2-1 win for the Chiefs over the Apollos in their Div. 2 contest. Results of other games played in this division were Express 2, Rowdies 0, and Fury 1, Sunshine 0.

Ted Mechtberg scored once for the Apollos in their losing effort against the Apollos, while Fletcher Nelson and David Bartels were the goal scorers for the Express in their win over the Rowdies.

Good midfield play by Aaron Schwartz and Benny Trujillo of the Owls, who kept the ball away from their goal, contributed to a 2-0 victory by the Owls over the Coyotes in their Div. 1 contest. Goals for the Owls were tallied by Mike Matson and by Ian Clark, assisted by Joe Rentz.

Results of other Div. 1 games were Cobras 4, Eagles 0, while the Roadrunners and Hawks battled to a scoreless tie. Jared Gonzalez scored 3 goals and Matt Bullock added another for the Cobras in their shutout defeat of the Eagles.

## Amateur boxing matches slated at Joshua Hall

An evening of amateur boxing competition has been scheduled tomorrow, starting at 5 p.m., at Joshua Hall on the Desert Empire Fairgrounds in Ridgecrest.

A total of 15 matches has been arranged by the Ridgecrest Exchange Club for this event, including ten in which local pugilists will be tangling with boxers of similar weight and comparable skill who will come here from Bakersfield, Lindsay, and Porterville, Calif.

Admission is \$10 for reserve seats and \$5 for general admission. There is a special \$3 general admission rate for military personnel, students and senior citizens.

Tickets can be purchased in advance at Sports of All Sorts or at Aristocrat Aluminum in Ridgecrest. They also will be on sale at Joshua Hall starting at 4 p.m. Saturday.

Proceeds will be used for developing and equipping the Ridgecrest Athletic Club gym, which is to be located in the former Police Boys' Club building near the Sgt. John Pinney Memorial swimming pool on South Warner Street.

The American Federation of Government Employees, Local 1781, will hold its next regular monthly meeting on Monday, starting at 7 p.m., at 520 E. Inyokern Rd., China Lake.

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Drives for goals by Chris Marshall and Brad Bays of the Chiefs erased a 1-goal deficit and produced a 2-1 win for the Chiefs over the Apollos in their Div. 2 contest. Results of other games played in this division were Express 2, Rowdies 0, and Fury 1, Sunshine 0.

Ted Mechtberg scored once for the Apollos in their losing effort against the Apollos, while Fletcher Nelson and David Bartels were the goal scorers for the Express in their win over the Rowdies.

Good midfield play by Aaron Schwartz and Benny Trujillo of the Owls, who kept the ball away from their goal, contributed to a 2-0 victory by the Owls over the Coyotes in their Div. 1 contest. Goals for the Owls were tallied by Mike Matson and by Ian Clark, assisted by Joe Rentz.

Results of other Div. 1 games were Cobras 4, Eagles 0, while the Roadrunners and Hawks battled to a scoreless tie. Jared Gonzalez scored 3 goals and Matt Bullock added another for the Cobras in their shutout defeat of the Eagles.



PREMIER LEAGUE CHAMPS — Members of the Sports of All Sorts team, champions of the winter-spring season of bowling in the Premier (scratch) League at Hall Memorial Lanes, present the trophy they won to young Bob Sonnenberg, whose father, Bruce, operates the local business that sponsored the league champs. The bowlers are (l.-r.) Mark Barkemeyer, Bob Hooper, Eddie Davis, Rob Shuttleworth, and Jeff Maddux. The Sports of All Sorts team took over first place early in league play and then built up an insurmountable lead as the season progressed. The Hideaway team finished a distant second to Sports of All Sorts, but third place was decided on the final night of the season, when the Elks Lodge knocked off the Raytheon Sidewinders. In the final standings, these two teams were separated by just a single point. — Photo by Don Cornelius

## Promotional opportunities

Incumbent will act as an R&D project manager. This responsibility may encompass any one of a variety of disciplines: i.e., AIM-9M PIP, closed cycle cooler, reduced smoke rocket motor, etc. Duties include planning, budgeting, coordinating and monitoring in-house tasks supporting these efforts: identifying problems and defining, proposing, and incorporating solutions into planned effort; and defining, monitoring and evaluating contractor effort. The incumbent works closely with NAVAIR sponsors and contractor representatives. Job Relevant Criteria: Knowledge of all phases of the System Acquisition Cycle and weapons systems production, including design, testing and evaluating configuration control, data management and product assurance; ability to present before an audience; ability to work well with people at all levels; ability to organize, plan and follow through on required effort; ability to effectively communicate both orally and in writing.

**Announcement No. 3438, Multidisciplinary (Eng. Tech., Elect. Eng., Elect. Tech., Aero. Eng., Physicist, Math.), DP-855/841/1310/1520-3 or DT-802/856-3, PAC No. 823551-3, Code 3555** — This position is located in the Test Operations Branch, Electronic Warfare Threat Environment Simulation (EWTES) Division of the Electronic Warfare Department. The incumbent functions as an RTD&E project engineer and assists contractors in designing, planning and conducting airborne electronic warfare tests. The incumbent works in a fluid real time environment which requires coordination with other divisions and departments as well as other DoD agencies. The incumbent is required to develop budgets, follow project costing, and write end of phase/program test and financial reports. Job Relevant Criteria: Knowledge of RTD&E test procedures, radar systems and Fleet aircraft avionics; ability to make sound decisions in a real-time environment; ability to coordinate work efficiently and effectively; ability to work independently. This position is on the first-40 hour schedule.

**Announcement No. 3439, Administrative Officer, GS-341-11, PD 7736112E, Code 3646** — This position is located in the Harpoon Program Office, Engineering Department. The incumbent is Harpoon business manager. The program office is responsible for the direction and coordination of all aspects of the technical support of the Harpoon missile development and production program. The incumbent is responsible for all program financial planning and management. This includes the production program, product improvements, FMS, and GFE financial management. He/she must also manage all program administrative support through the program office. Naval activities, other NWC organizations and contractors for the purpose of defining technical objectives and controlling progress of activities. Ability to communicate clearly and effectively, both orally and in writing. Ability to coordinate, monitor and review performance of contractor efforts. Ability to work as a member of a team and work well with professionals of several disciplines. Previous applicants need not apply.

**Announcement No. 3440, Interdisciplinary Mech/Electronics/General Engineer, DP-830/855/861-3, PAC 823643E45, Code 3642** — This position is located in the Engineering Support Branch, Fleet Engineering Division, Engineering Department. Incumbent plans, schedules, coordinates and/or conducts detailed phases of technical work in part of a major project or in a total project of moderate scope. Conveys, plans and/or conducts research, design, development, and/or test and evaluation in problem areas of various system/missile programs; develops or tests new or improved equipment or subsystems that significantly add to operability and usefulness. Job Relevant Criteria: Knowledge/experience in development, production, field support of guided missile aff components (warheads, rocket motors, air frames, wings, fins; electromechanical devices such as S&As, arming and firing devices, etc.); explosive/propellant loading and processing. Experience with Navy Recruitment and Systems Acquisition process; component failure investigations/analysis; environment and/or component testing of missile component; ability to work as a member of a team; ability to communicate clearly and effectively, both orally and in writing. Status eligibles accepted. Previous applicants need not reapply.

**Announcement No. 3441, Quality Inspection Specialist, DT-1940-2, PAC 823642E, Code 248** — This position is located in the Facilities Support Contract Division, Public Works Department. Incumbent provides guidance, counsel and assistance to technical representatives of the Commanding Officer (TRCO) on specification interpretation, definition of acceptable contractor performance, resolution of disputes with contractors, etc. Job Relevant Criteria: Knowledge of the organization and functions of Public Works; ability to communicate effectively orally and/or in writing; ability to deal with all levels of employees at NWC.

**Announcement No. 3442, Accounting Technician, GS-5341-5/7, PD No. 8242011N/8242009N, Code 6202** — This position is located in the Range Department Staff Office. Serves as assistant to head of staff with primary responsibilities in the areas of space and facilities, budget development and monitoring, security, departmental policies and procedures, and management analysis studies pertaining to manpower resources, department paperwork processes or any other organizational issues requiring data gathering, analysis and evaluation. Serves as coordinator for awards, training, incentive payouts, and general personnel procedures within the department. Job Relevant Criteria: Ability to gather information from written documents, data sheets, instructions and/or regulations and organize the data in a clear, concise format; ability to plan, organize, coordinate and complete different types of work; ability to establish effective working relationships with all levels of personnel, both within and outside the immediate organization; knowledge of personnel, budget, security, plant account and equipment management rules, regulations and procedures. A Supplemental Qualifications Statement is required in addition to the 171; it may be obtained from Claire Boyd, Room 117, Personnel Department, 505 Blandy Ave.

**Announcement No. 3443, Secretary (Typing), GS-318-3/4, PD No. 8242010N, Code 4212** — This position is located in the Environmental Engineering/Evaluation Branch, Ordnance Test & Evaluation Division, Range Department. The incumbent will provide secretarial duties such as: maintaining the supervisor's calendar, screening and referring calls and visitors; screening and routing correspondence, maintaining records, schedules meeting and conferences, prepares time cards and arranges travel. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail, ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff of processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conference. Supplemental Qualifications Statement is required for secretary positions and may be picked up at the Receptionist's Desk, 505 Blandy Ave., Personnel Department, (Continued on Page 7)

**The Rocketeer**

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

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NWC Commander

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Tuesday, 4:30 p.m.  
Tuesday, 11:30 a.m.

**DIVINE SERVICES**

PROTESTANT  
Sunday Worship Service 1000  
Sunday School 0830

ROMAN CATHOLIC  
Sunday Masses 0830 & 1130  
Daily Mass (except Saturday) 1125  
Sunday Religious Education Classes 1000

JEWISH  
Friday in the East Wing 1930

UNITARIAN  
Sunday, Annex 95, as announced 1930



### Fishermen doing better as ice on Sierra lakes melts

Sierra fishing is picking up now that the ice is melting on the remaining lakes that have been covered with the cold stuff, and larger fish are now also being caught than the average ones netted on opening day weekend.

Biggest fish of that day was a 17 lb., 1 oz., monster hauled out in the Bridgeport area by trolling a gold Rapala lure, but most of the fish caught were well under that and were smaller than the usual opening day catchables.

#### TOP CATCH AT SABRINA

During the past couple of weeks a 15 1/2 lb. brown trout found a Kastmaster lure irresistible in Lake Sabrina, and ended up on a fisherman's table (or wall). Fish at Sabrina are going for a little bit of everything from cheese to lures.

Fish at South Lake are fairly small, hardly worth the six mile tramp through packed snow required to reach the lake. Small fish are also being caught out of Bishop Creek, but these little ones are hungry and will snap at nearly anything that an angler drops into the water.

Salmon eggs and worms are proving delicious to trout in southern Inyo County, especially at Lone Pine Creek. Department of Fish and Game officials dumped a lot of trout in the 2-to-5 lb. range into Lake Diaz.

#### GOOD FISHING AT BRIDGEPORT

Best bait to use on the East Walker River out of Bridgeport is flies; fishing is rated as outstanding. Bridgeport Reservoir also has had good fishing, but the Twin Lakes are still slow.

Fishing is also picking up at lakes in the June Lake loop, with cheese proving the best bait.

Fishing at Mammoth is definitely improving; several trout in the 7- to 8-lb. range have been caught at Lower Twin Lake. Benton Crossing trout range from 2 to 6 lb. No one particular bait has proven especially successful.

Fishing at Lake Crowley is improving. Fishermen there say that night crawlers or shiny and brightly colored lures work best currently.

### Final tryouts for Pony League teams coming up Saturday

A final registration and tryouts session for youths 15 and 16 years of age who are interested in playing this season on Indian Wells Valley Colt League baseball teams will be held tomorrow, from 9 a.m. to 12 noon, at the Colt League field in Kerr-McGee Park, Ridgecrest.

There is a \$30 registration fee for all players, but those who played on Colt League teams last year and are returning need not go through the tryout procedure.

League officials are still seeking volunteers to serve as team managers or coaches. For additional information, those interested should contact one of the following after working hours: Rick Booth, phone 446-5335; Henry Blecha, call 446-2346; or Steve Kaupp, 375-1910.

#### UNUSUAL IDEAS FOR BAIT

Ordinary bread rolled into a ball around a hook will often catch fish. Also, canned corn kernels, small marshmallows, and processed cheese rolled into a ball around a hook can tempt curious fish into gobbling a hook. (Moral: if one bait, lure or fly isn't working, try something else. And what works well one day may not work at all on another. Fish can be finicky in feeding.)

## Villains click for 3-0 soccer win over Spurs

A fired up Villains' team rolled up a 3-0 win over the Spurs, who had trouble clicking on offense and committed miscues on defense in the Div. 7 Youth Soccer League contest between these two teams last Saturday afternoon at Davidove Field.

Bill Ledden scored the game's first goal for the Villains as he controlled a long pass from Steve Sanders and lobbed a shot over the head of the Spurs' goalie to give his team a 1-0 lead. A long free kick by Mike Mills added another score to the Villains' total, and the final tally of the game was a late, breakaway goal by Ledden.

In the first of two Div. 7 contests on May 1, the Gunners edged the Wolves 1-0 on a goal scored by John Peterson. Good defensive play by Brian Hayes and Ricky Bullard was



GOING FOR BALL — Darryl Silberberg (at right) of the Gunnars has the edge on two players for the Wolves as he moves toward the ball during this bit of action in the Div. 7 Youth Soccer League game between these two teams. The Gunnars edged the Wolves 1-0 in what turned out to be a defensive battle last Saturday.

## BHS varsity nine drops league tilts to Hart, AV

Heading into the final week of play in the 1982 Golden League baseball season, the Burroughs High School varsity nine came out on the short end of a 9-2 final score in a game played last Friday afternoon against the Hart High Indians on their home ball field at Saugus.

This was followed on Tuesday by a home game between Burroughs and Antelope Valley that was won 7-1 by the visitors from Lancaster.

The BHS varsity baseball team will be on the road this afternoon for a 3:30 game at Palmdale that is the final game of the season.

Topnotch pitching by Jim Plante was a major factor in the Indians' 9-2 win over Burroughs last Friday.

Plante, who is a junior, had a good breaking ball that he was getting over the plate, as well as fine fast ball. He struck out eight of the first nine BHS batters he faced, and by that time the Indians, who wrapped up the 1982 Golden League title with this victory, had a comfortable lead of 8-0.

Plante finished the game with a total of 12 strikeouts and walked none.

The Indians scored 5 runs during their first turn at bat. Dave Vigneault started on the mound for Burroughs but was hobbled by an ankle injury. He walked the first three batters he faced before being relieved by Jon Truitt.

Todd Ziele, the Hart catcher, lashed out a bases-loaded single that drove in two runs; an error permitted a third run to score; and Masina, the Hart left fielder, grounded out to first base as Hart chalked up its fourth run of the game.

Before the Burros could settle down and retire the side, another run was forced in as the result of three walks issued by Truitt and the Indians had a hefty 5-0 lead.

instrumental in the win for the Gunnars.

A see-saw battle between the Tornadoses and Roughnecks that was won 3-2 by the Tornadoses highlighted Div. 5 Youth Soccer League play.

The Roughnecks led 1-0 at the end of the first half on a goal by Scotty Robledo, assisted by Jeff Dufendach, and added another score in the third period when Dufendach got the goal, assisted by Wade Boyack.

Coming on strong in the second half, the Tornadoses tied the score at 2-2 in the third period. Ivan Carranza tallied on a corner kick and Curt Brune also scored unassisted. The game winner for the Tornadoses was a shot off the toe of Jason Black, assisted by Clint Caffee, in the fourth quarter of play.

Scores of other Div. 5 games were Sounders 3, Diplomats 3; Hurricanes 4, Rogues 0; Kicks 7, Whitecaps 1; and Surf 7, Sting 0.

Two quick goals in the fourth quarter enabled the Sounders to earn a 3-3 tie with the Diplomats in a game during which both teams played well on defense. Wayne Ziegler's two goals and one by Matt Ziegler accounted for the Diplomats' scoring, while Barrie Riddoch, Tony Haaland and Brian Lindsey each tallied a goal for the Sounders. **FIRST WIN FOR HURRICANES**

The Hurricanes made their first win of the season an impressive one as they blasted the Rogues 4-0. Craig Rindt scored three goals for the Hurricanes and was credited with an assist on a goal by Virg Jackson. Bill Corley and John Feist played well on defense — controlling the center of the field for the Hurricanes.

Two goals each by Matt Mechtenberg and Jeremy Meyers, plus lone tallies by Don Ashton, Travis Webster and Jay Okamoto powered the Kicks to a 7-1 victory over the understrength Whitecaps. David Bradley scored once for the Whitecaps.

A 6-goal spurge in the first half was the forerunner of a 7-0 shutout posted by the Surf over the Sting — a team that was short by three players but managed to hold the opposition to a single goal in the second half.

#### THREE SHUTOUT VICTORIES

Three shutout victories were racked up by Div. 4 Youth Soccer League teams last Saturday. The Strikers, Timbers and Drillers defeated the Boomers, Atoms, and Thunder by scores of 3-0, 4-0, and 5-0, respectively.

Turning in a smooth-running performance, the Strikers blanked the Boomers on 2 goals by Aaron Dilleshaw and 1 by Tim Pogge.

Good passing by the Timbers was instrumental in their 4-0 win over the Atoms. The scoresheet shows 2 goals by Peter Martinez and 1 each by Will Freeman and Dave D'Anza, while Kevin Collie was tops on defense for the victors.

Armondo Valdivia led the way with 4 goals in the Drillers' 5-0 win over the (Continued on Page 7)

the Burros got their 2 runs on 6 hits and had 2 errors.

In their last home game of the 1982 season, the BHS varsity nine came up short by a score of 7-1 on Tuesday afternoon to the Antelope Valley High School nine from Lancaster.

The Burros tallied their only run in the bottom half of the first inning, when Paul VanderWerf doubled and scored on a single by Killilea.

The latter, who has been the regular catcher throughout the season, started on the mound for Burroughs and pitched five innings before being relieved by Dan Galloway.

The Antelopes also chalked up a single run during their first time at bat. Shaun Rydell, the lead off man, drew a walk, advanced to second on a wild pitch, and scored moments later on a hit by Bryan Peck.

The 1-1 tie was short-lived, however, since the visitors got a go-ahead run in the second inning. Joe Roberts, second baseman for the Antelopes, pounded out a hit and, before the Burros could retire the side, tallied on a hit by Rydell.

It remained a 2-1 ball game in favor of the Antelopes until Rydell cleared the bases with a home run in the top of the fourth that drove in Dave Clark and Joe Roberts, both of whom had drawn walks to get on base.

Leading 5-1, the visitors added two more runs for insurance in the fifth inning as they coasted to a 7-1 win. A fielder's choice play put Ryan O'Connor on first base; Clark walked, and both scored on a double by Roberts.

Craig Basham was the winning pitcher for Antelope Valley as he held the Burros to 1 run on 5 hits and was backed up by a team that played errorless ball.

The lopes scored their 7 runs on 7 hits, and there was one fielding error by the Burros.

## The Skipper sez



All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. LaR. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.

#### QUESTION

**Civilian employee** — There seems to be a conflict between NWC Traffic Court or main Security Office and the Municipal Court in Ridgecrest on procedures. My wife received a citation for having a headlight out on her vehicle from a China Lake Police officer.

She had the headlight fixed and had a peace officer sign the citation, confirming the item that had been corrected. She then presented the signed citation to the East Kern Municipal Court. This was done two days after the citation was given and two weeks before the court date. This week she received a notice from the NWC Traffic Court and/or the Security Dept. that she would be assessed 2 points and the vehicle barred from the Center if proof was not received at their office that the violation had been corrected by the court date.

My wife then called the Municipal Court in Ridgecrest. The court clerk stated, "We don't have time to do double work; we don't send copies to NWC. If they don't take your word for it, too bad." She asked for a receipt or copy the day she went to court and then again when she phoned the Municipal Court. They stated they don't give receipts or copies. She then phoned Security, who said they would take her word for it this time, but don't give receipts or copies either.

Are there any plans for further coordination between the two systems to eliminate conflicts like this? I have a suggestion, and that is that if a China Lake police officer does give a citation he may also give a mail-in card that can be signed also to prove that the citation has been corrected. This card could be addressed to the Security Dept., so when a correction is complete, then a copy would be sent to NWC and also the citation would be signed off by the courts. Thank you.

#### ANSWER

The Municipal Court in Ridgecrest is unable to send notices to the NWC Vehicle Registration Office when people have vehicle defect citations cleared. It is up to the individual to advise the NWC Vehicle Registration Office (Code 24322, NWC ext. 3005). No receipt or other "proof" is needed; a telephone call is sufficient.

China Lake Police Officers should be telling the motorist to be sure and call the NWC Vehicle Registration Office, but I guess everyone hasn't been getting the word. The police will now be giving a paper, along with the vehicle defect citation, that will spell out what to do to be sure the right people are notified.

Sorry for the inconvenience, but thanks for helping us to make the system better.

#### QUESTION

**Military dependent** — I want you to know that I'm really glad you're having this crack-down on drugs on this base. My question is, why is it that contractors are allowed to come and put their products in front of our Navy Exchange and sell "drug paraphernalia?"

I saw a lighter-cover down there with marijuana leaves on it, and also the feathers that go on kid's hats that have a roach clip on the end. I really don't think that it's appropriate on our base. Maybe you could look into that. Thank you, and have a nice day.

#### ANSWER

My nice day was spoiled when I got your message, but I'm deeply grateful to have received it. Of course, the Navy Exchange would not willingly allow such activities and will be more vigilant in the future to ensure that paraphernalia of any kind will not be sold by any contractor in front of the Navy Exchange.

I only wish that I had been informed of this obscenity at the time so that we could have given that particular vendor an appropriate "award" for his efforts.

#### QUESTION

**Civilian** — I would like to see the flag area be a little better maintained out here at the airfield. Chains are down, the poles in bad need of paint and the area, in general, around the flag area is just not well maintained at all. Being a flagman myself, I would like to see that a little better maintained.

#### ANSWER

The Aircraft Department has a list of maintenance needs for Armitage Field. The cleanup of the entry area to Armitage Field was just completed in November. The flag area cleanup started recently, thanks to a sailor self-help effort. Regrettably, due to a lack of personnel and higher priority items that come up, cleanup efforts often get set aside temporarily. Maintenance at Armitage Field is getting more attention now. I'm glad that you are a discerning viewer.

## Special help made available for mechanic with hearing disability

The Naval Weapons Center is a strong believer in training for employees — and this carries through the support departments as well as those in which highly technical work of an engineering and scientific nature is done.

An example in point is a class that was conducted recently for employees in the Transportation Division of the Public Works Department.

Following the recent acquisition of a half dozen Dodge Ram 50 pickup trucks (with more scheduled for delivery at a future date), a class was held to acquaint mechanics in the Automotive Main Components Section with some of the distinctive mechanical features of this machine, its maintenance, and repairs.

The class was conducted by Ed Wright, a technical training specialist from the

Chrysler Corp. plant in Fullerton, Calif.

Included among the employee-students was Darrell A. Herr, a mechanic in Code 26774, who specializes in work on carburetors, generators, and starters for vehicles of all sizes.

Because Herr has a hearing disability, special arrangements were made to insure that he got the same information as the other automotive mechanics.

This was made possible by bringing Catherine Anderson, from the Center for Independent Living in Bakersfield, here for the four-hour class.

Using sign language for the deaf, she interpreted the instructor's statements for the benefit of Herr so that he could pick up the information at the same time that it was being presented verbally to others in the class.

## Major changes in effect for 1982 Navy Relief fund drive

Two major changes are in effect in relation to the conduct of the 1982 Navy Relief Society fund drive, which began on May 4 and will continue to June 6.

Pursuant to instructions set forth by the Office of the Secretary of the Navy, only military personnel may assist in the role of key persons who can solicit and collect contributions to the NRS. In the past, this effort was shared by military and civilian personnel at the Naval Weapons Center.

In addition, there is to be no direct solicitation from civilian employees for support of the NRS.

A notice from the Office of the Secretary of the Navy, dated Jan. 6, 1982, spells out these changes as follows:

"The primary fund raising procedures to be used in support of the 1982 Navy Relief Society annual call for contributions shall be the personal solicitation of potential contributors by designated key persons. The designation of key persons shall be limited to military personnel.

"Civilian employee participation in the fund raising effort shall be limited to voluntary, off duty assistance, although contributions may be accepted from both military and civilian personnel.

"Active solicitation by key persons shall be limited to solicitation from uniformed members of the Naval service."

Key persons appointed to assist Cdr. C. E. Gartrell and G. R. Case, co-chairman of the NRS fund drive, and their department codes are as follows:

Code 12 — Ltjg. Sharon Beck; Code 21 — AMEC S. A. Dangel; Code 22 — SHC Corland Camper; Code 231/232 — HM2 Karen Burroughs; Code 25 — Lt. Dave Waller; Code 26 — Ens. Kenneth Dorrell; Code 291 — MS1 Ernesto Barbon; Code 31 — Lt. Tim Rivers; Code 34 — PHAA B. J. Carpenter; Code 35 — Lt. Tom Mariner; Code 36 — Chief Dennis Hoelzle; Code 39 — Cdr. Gary Case; Code 61 — Lt. Dave Saford; Code 62 — LCdr. Michael Duignan; Code 64 — PR2 Patrick Rafferty; PSD —

#### Sloan Fellow . . .

(Continued from Page 1)

Other NWC employees who have been honored by being chosen to participate in the Sloan Fellowship Program are Burrell Hays, who is now Deputy Technical Director and Laboratory Director; Matt Anderson, head of the Fuze and Sensors Department; and two former Centerites — Dr. Allen Gates and Joel Halop. The latter attended Stanford University as a Sloan Fellow.



SIGN LANGUAGE MEETS NEED — Darrell A. Herr (at right), a skilled mechanic in the Transportation Division of the Public Works Department who has a hearing disability, gets helpful pointers on the mechanical features of a newly acquired pickup truck via sign language. Interpreting information given by Ed Wright (at left), the instructor, is Catherine Anderson, from the Center for Independent Living in Bakersfield. — Photo by Jerry Morrison

# F-4s converted to target drones . . .

(Continued from Page 1)

possible to have an all-attitude target that can perform all of the maneuvers of an F-4 with an on-board pilot. Commands are transmitted digitally to perform all "on-off" functions, such as wheels up and down or speed brakes in and out. Stick forces in the UCC are artificially produced to simulate the actual aircraft stick forces when the stick is being operated manually by a pilot in the cockpit of the aircraft, and the remote-control pilot has the same range of



**CAMERA ADJUSTED** — Just before takeoff on a flight test of the F-4 Phantom drone, Joe Chan makes sure that a TV camera in the nose of the target aircraft is ready to roll. The camera's prime function is to give the drone controller a view of the runway during takeoffs and landings.

control of all functions from the ground that he would have if he were actually in the aircraft itself.

Aircraft instrument panel data is sent from the aerial target via ITCS digital telemetry to the Universal Control Console and displayed on the UCC instrument panel.

On board hardware is slaved to the Aircraft Interface Unit (microprocessor) in the nose of the drone aircraft. During flight, this enables the drone control pilot on the ground to operate the throttle, flight controls, and the brakes, and also carry out other control functions.

Specialty items on the F-4 drone include a



**TEST DATA COLLECTED** — Inside the drone control station, John Owens (at left) and Don Harris look over data as it is being received during a flight test of the QF-4 drone aircraft. —Photos by Don Cornelius

brake system that is set to modulate the brakes to achieve a predetermined deceleration that will safely stop the aircraft on the runway. The drone aircraft's drag chute also is deployed by remote control.

Visual data for landing is obtained by means of a forward-looking closed-loop TV camera in the nose of the target aircraft. The video image is displayed on the Universal Control Console control panel, allowing the drone controller to see where the aircraft is in relation to the runway.

Leo Budd, an aerospace engineer in the RPV Technology Branch, is the program

manager for the conversion of the F-4 Phantom aircraft to drone operation, while John Owens, an electronics engineer in Code 3925, is the project engineer. Owens worked on control system analysis, stability augmentation design, aircraft modifications and integration testing of the F-4 drone system. He also wrote the flight test plan and then conducted the flight test program in order to verify system design specifications.

Other key personnel are Hal Schmeer, an electronics technician, who worked on the Aircraft Interface Unit; Hal Duff, a mechanical technician, and Dave Kurdeka, a mechanical engineer, who were involved in mechanical design of this latest full scale aerial target; and Carl Finch, an electronics engineer responsible for modifications to the test cart that is used in the hangar to check all the drone control systems.

**SAFETY MEASURE**

During all development test flights, there is a qualified F-4 pilot in the aircraft cockpit to monitor what is going on and report on how the plane is responding to ground control signals. Should any problems develop, the on-board safety pilot also has the important function of bringing the aircraft back down safely to the ground.

Before the drone ever leaves the ground, however, the test cart is used to insure that the Aircraft Interface Unit carries out the functions it is commanded to do in order to operate the pilotless aircraft.

During the F-4 development flight tests, the role of on-board safety pilot was handled initially by Lt. Mike Sweeney until his recent transfer and is now being carried out by Cdr. William Boatwright and Dick Wright.

**STATUS OF PROGRAM**

Currently, there are three F-4 aircraft in various stages of inspection and repair in Hangar 2 at Armitage Airfield, in addition to the engineering prototype model that has been flown in developmental tests, and the production prototype model that is being readied for flight tests in the QF-4 drone configuration.

Principal customers for the remotely piloted aircraft are the Target Division of the NWC Aircraft Department, and its counterpart at the Pacific Missile Test Center at Point Mugu, Calif. Both are looking for high performance aircraft equipped with afterburners to use in flight tests and some ground-to-air tests of missiles and weapons systems.

## Two contractor employees honored; elected ASQC Fellows

Two employees for contractors who are involved in work being carried out for the Naval Weapons Center were honored this week by the American Society for Quality Control (ASQC).

The honorees, both of whom have been elected Fellows of the American Society of Quality Control, were recognized for their contributions to this professional engineering group during an awards breakfast held May 5 in Detroit, Mich.

Singled out for this distinction were C. Anthony Miller, manager of quality assurance for the Ridgecrest office of Systems Consultants, Inc., and Dr. George L. Stiehl, Jr., senior staff consultant with the Planning Research Corporation's (PRC) Ridgecrest Engineering Co.

Miller, whose prime responsibility is for the software quality assurance of Navy Versatile Computing Systems, works closely with the Instructional Systems Program Office in the NWC Aircraft Weapons Integration Department.

He was an organizer and founding chairman of the Sierra Sands Section of ASQC, and has been a Society member since 1962. Miller's selection as Fellow of ASQC was based on his work in founding and sustaining the Sierra Sands Section of ASQC; for his development and teaching of quality and reliability courses; and for his leadership in coordinating community activities with other engineering societies through the High Desert Engineering Association.

Dr. Stiehl is an active participant in reliability, maintainability, and system safety studies conducted for the Reliability Branch (Code 3686), and the Safety Branch (Code 3687) of the NWC Engineering Department's Product Assurance Division — work that has involved him in the Sidewinder and Standard missile programs.

Before joining the PRC Ridgecrest Engineering Co., Dr. Stiehl was a member of a PRC team for a National Aeronautics and Space Administration project involving the collection, tabulation, and reliability analysis of data from NASA in-flight satellites, and provided engineering interpretation and analysis of reliability data from in-orbit spacecraft.

Dr. Stiehl's background also includes serving as manager of the Reliability Branch for the General Atomic Co. In this capacity, he participated in the development of reliability and maintainability objectives for components and systems for a high temperature, gas cooled nuclear power plant.

## Long-range education opportunities subject of next FEW meeting

A talk on the subject of long-range educational opportunities in the Indian Wells Valley will highlight the next meeting of the local chapter of Federally Employed Women (FEW).

The meeting, which is open to all interested persons, will be held next Thursday, May 13, starting at 11:30 a.m. in Rm. 212 of the Training Center. Those who attend are encouraged to bring a brown bag lunch. Coffee will be available.

The speakers will be Marie Duff and Jean Pringle. Ms. Duff, who is employed in the Personnel and Organization Development Division of the NWC Personnel Department, will tell about short courses and long-range training plans that are available to NWC employees and can lead to advanced degrees.

Ms. Pringle, a representative of Cerro Coso Community College, will discuss college education and self-improvement courses that are offered to residents of the local desert area.

## Energy conservation tip

During the sunny summer weather you'll be able to save energy by using the old-fashioned clothesline.

## Happenings around NWC

A special sale offering 10 percent off the regular price of numerous items is underway today at the Navy Exchange retail store, and will continue during the store's regular hours of operation through next Friday, May 14.

The bargain rate will apply in a different department of the store each day.

### Briefing on lighting system conversion project set May 13

A briefing will be presented on Thursday, May 13, at 1 p.m. in the Michelson Laboratory Auditorium (Rm. 1000D) about a lighting system conversion project involving the Michelson Laboratory Machine Shop and Hangars 1, 2, and 3. Personnel who work in those areas are particularly encouraged to attend the briefing.

The briefing will be presented by AETICH of Apple Valley, Calif., which has been awarded a contract by the Western Division, Naval Facilities Engineering Command, to prepare plans and specifications for the lighting system conversion.

The project is included in the fiscal year 1984 Energy Conservation Investment Program (ECIP); the payback from the \$400,000 project is expected to be about four years.

Lighting systems in the Michelson Laboratory Machine shop, the airfield hangar bays, and some exterior lights will be converted to more energy efficient high pressure sodium fixtures.

## Seminar held on Mt. St. Helens scientific studies

Striking a balance between adequate concern and panic over volcanic hazards is difficult, Dr. Donald Peterson said during an informal interview last week.

Dr. Peterson, Scientist-in-Charge of the Cascades Volcano Observatory in Vancouver, Washington, presented a Technical Director's Seminar at the Center theater last week on the activities of Mount St. Helens and associated scientific studies. He is responsible for directing the research involved with predicting eruptions of Mount St. Helens and supervises research related to the geology of the Cascades Volcanic Chain.

All of the Cascades volcanos and their extension as far south as the Cosos are potentially eruptive, he said, the question being "when, not if." There is no way to determine which volcanos will become active next or when an eruption will occur without continual monitoring.

Those with high potential for violence such as Baker or Lassen are being monitored as heavily as money will allow, but, he stressed, it is essential that all be considered as likely candidates for activity.

An eruption would not necessarily create a great danger to people in the surrounding area if they had adequate warning and were prepared. If the eruption were basaltic (like Kilauea) rather than rhyolitic (like Mount St. Helens), the main effects would be cinders with some volcanic bombs blasted into the air and lava flows rather than the massive explosive power displayed by Mount St. Helens or Mazama (which left Crater Lake). Also, Dr. Peterson pointed out, much of the damage created by the St. Helens eruption was due to landslides that blocked rivers. A massive landslide also caused the volcano to vent out the side rather than straight into the air, which otherwise might have reduced some of the damage.

With adequate monitoring networks in hazard areas, preparations could be made that would prevent loss of life and minimize damage. Such monitoring would include geodetic surveys, seismic instruments, and, possibly, tiltmeters.

Geodetic surveys show whether land is rising or falling or if it is being moved horizontally. Seismic monitors keep track of earthquake quantity and magnitudes; generally, increased earthquake activity precedes volcanic eruptions, and such

Today and next Friday are ladies' wear sale day; tomorrow and on May 15, camera lenses, house plants and cut flowers are the special items; on Monday, children's wear prices will be reduced; Tuesday, linens; Wednesday, men's wear; and on Thursday, small electric appliances can be purchased at a 10 percent reduction.

**WESTERN DANCE CLASS**

Those who missed the first set of classes in country western dancing have another opportunity to learn how to whirl and twirl. The Recreational Services Department is sponsoring another set of classes at the Community Center beginning on May 19 from 7:30 to 8:30 p.m., and continuing each Wednesday evening through June 25.

Dan Smith will instruct the class and teach such dances as the two-step, Cotton Eye Joe, cowboy polka, and line dances that include the sweetheart schottische.

The \$20 registration fee must be paid before the first class. Those who wish to register may do so at the Community Center Mondays through Fridays between 8 a.m. and 4 p.m.

**CAPT. LAHR TO ADDRESS TENANTS**

Capt. Lahr will be the main speaker at the next meeting of residents of Center housing, which will be held on Tuesday, May 11, in order to accommodate his schedule.

The meeting will be held in the East Wing of the All Faith Chapel starting at 7 p.m.

All tenants who have any questions to ask the Skipper are invited to attend because he has made himself available for a question-and-answer session.



**CHECKING** — Julie Connell, a laboratory technician, checks one of the more than 1,000 samples of blood drawn so far in the Center's white blood cell study. During the next nine months, each code will be contacted to ensure that all China Lake military and civilian personnel have the opportunity to participate in the study. In answer to a question repeatedly asked at employee briefings, the blood samples are not tested for drug levels, only for blood cell counts.

## Luncheon slated for employees rated tops in EEO effort

Emphasizing the importance that Center Command places on equal employment opportunity, the main speakers at next Friday's EEO award luncheon will be Capt. Lahr and Bob Hillyer, NWC Commander and Technical Director.

The luncheon will be held at the Commissioned Officers' Mess at 11:30 a.m., and all Center civilian and military personnel are invited to attend.

Advance reservations are required and must be made by close of business on Tuesday by telephoning Eloise Burklund at NWC ext. 2634. Menu choices are teriyaki beef at \$4.10 per person, or a chef's salad at \$3.95.

The EEO awards program was established to demonstrate the value that management places upon employees, supervisors, and managers who actively and effectively contribute to EEO, as well as to provide impetus to the program by publicizing the superior accomplishments of the recipients and the impact and positive effect these accomplishments have had on others seeking equal opportunity.

The awards program was also established to give due and proper honor and distinction to those who, recognizing the right to equal opportunity for all, excel in providing this opportunity to others seeking employment or already working for the federal government.

Awards are presented in three categories: supervisors, persons with program projects or activities with EEO implications, and EEO program leaders.

Nine individuals have been nominated. The candidates and their codes, are Karen Altieri, Code 09201; Alice I. Atwood, Code 388; Dan Banks, Codes 092 and 3315; Jack Davidson, Code 2522; Noel Gravelle, Code 33301; Hope Lewis, Code 3353; Alan Russell, Code 3191; Jack Russell, Code 36; and Yvonne Williams, Code 097.

Each award winner will receive a wall plaque and a letter of commendation signed by Capt. Lahr, who will make the presentations.

## Police reports . . .

Two incidents of damage to motor vehicles — both involving deliberate tire punctures — were reported on Thursday and Friday of last week to China Lake police.

In the first case, an estimated \$150 damage was caused by someone who used a sharp instrument to poke holes in two of the tires on a 1973 Ford left overnight in the BEQ parking lot.

Last Friday, the tenant at 1310 East Nimitz Ave. discovered a flat tire on a van left parked outside his residence. The damage, estimated at \$100, was due to a hole jabbed into the sidewall of one of the tires on the vehicle.

**RESIDENCE BURGLARIZED**

A prowler who used a pry bar to open a living room window burglarized the residence at 1018 Nimitz Ave. The incident occurred sometime between 5 and 9:30 p.m. last Friday.

A total of \$50 in cash was removed from a folder that was left out on a chest of drawers in one of the bedrooms.

**CASH STOLEN FROM BEQ-3**

An occupant of one of the rooms in BEQ-3 called China Lake police on Sunday afternoon to report that \$40 in cash had been stolen from his room.

There was no sign of forced entry into the room. The missing cash, which is believed to have disappeared between 1 a.m. and 2 p.m., had been left lying out on top of a dresser.

**DRUNK DRIVING ARRESTS**

During the month of April, China Lake police made six arrests of motorists who were charged with drunk driving on the Naval Weapons Center.



**COMMUNICATIONS TEAM** — Members of the China Lake detachment of the Civil Air Patrol concentrated on communications work during a recent search and rescue exercise held at Overton, Nev. Shown discussing their part in this drill with Bob Nagel (second from left), communications officer for the Reno Wing of the CAP, are Elizabeth Cripps, at left, administrative officer of the local group; and (l.-r.) RLee Peters and Phelps TerHeun, communications officer and commanding officer, respectively, of the China Lake CAP unit.