

### Hebrew Congregation plans Seder April 16; reservations needed

The festival of Passover will begin at sundown on Monday, April 16. In its celebration, a Seder will be held at the East Wing of the All Faith Chapel starting at 6 p.m. that day. All who wish to attend are invited to do so by the members of the Hebrew Congregation of the All Faith Chapel.

The Seder will be led by Student Rabbi Moshe Ulmer, with the dinner prepared by members of the congregation. The dinner will consist of homemade chicken soup with matzo balls, roasted chicken, potato tzimmes, gefilte fish, beverages and dessert. Cost of the dinner is \$5 each for adults and \$2.50 for children between the ages of 4 and 12; children under the age of 4 will not be charged.

Reservations are required and must be made by Tuesday. They may be made by telephoning June Wasserman at 375-8538; Charlotte Braitman, 446-4462; or Peggy Busch, 375-7712. Those planning to attend are asked to bring their own table settings.

Passover celebrates the freeing of the Jews from their enslavement by the Egyptians. The name Passover comes from the Biblical story of the angel of death "passing over" the homes of the Israelites that were marked with lamb's blood.

### Children of military urged to apply for college scholarships

Dependent children of active duty or retired military personnel who plan to further their education are invited to apply for scholarships offered by the Officers' Wives' Club.

A total of \$3,000 is available for scholarships this spring; the number and size of the scholarships to be given will be determined after all applications are received.

Those who wish to apply can pick up applications at Burroughs and Mesquite High Schools, Cerro Coso Community College, and at the All Faith Chapel office. Applications should be sent to Janice Gallinetti, 1912 Blue Ridge Rd., China Lake, CA 93555, and must be received by Mrs. Gallinetti by Monday, April 30.



**GETTING READY** — HN Brad Eddins (standing) practices drawing blood from HM2 Brian Prince. They will be joining other health care professionals in drawing just about two teaspoons of blood for the blood chemistry screenings at Health Fair Expo tomorrow from 9 a.m. to 4 p.m. at the Burroughs High School multiuse room.

### Free health screenings offered tomorrow at Health Fair Expo

All local area residents are invited to take advantage of the free health screenings offered at the Health Fair Expo scheduled to take place in Ridgcrest's Burroughs High School multi-use room and adjoining classroom buildings from 9 a.m. until 4 p.m. on Saturday, April 7.

Health screenings offered free include height and weight, anemia, blood pressure, vision, oral cancer and temporomandibular joint syndrome, podiatry and hearing. In addition, the Desert Counseling Clinic will demonstrate biofeedback, adults will be able to get immunizations or booster shots free of charge, and all those attending will be able to view a large number of health-related exhibits.

The only charge is \$10 for a sophisticated blood chemistry screening involving more than 20 blood factors including such as blood sugar, cholesterol, liver function, and others. The blood chemistry screening will be available to everyone over the age of 18. Those planning to take the screening are

asked not to eat for about four hours prior to getting their blood drawn. (For instance, someone who plans to attend the Health Fair at noon should be sure to have breakfast before 8 a.m.)

Since the more than 900 individuals of all ages who attended last year's Health Fair Expo found that they had to wait at length for some of the screenings, a new method of taking people through the procedure has been developed, and the number of phlebotomists working at drawing blood for the blood chemistry screening has been more than doubled. Dan Banks, who chairs the Health Fair Expo, says "We hope that the waiting time will be minimal, and chairs will be available in any place where even a short wait might be anticipated."

Among the numerous displays to enlighten those attending the Health Fair are included an illegal drug identification display board from the Ridgcrest Police Department, an alcohol/drug dependency treatment program display from the Antelope Valley Hospital as well as alcohol awareness material from the Council on Alcohol Awareness, exercise equipment and demonstrations from the three Ridgcrest health clubs, a liver disease display sponsored by the Do-Dads Charity Horse Show, cancer education materials, and information about pre-menstrual syndrome.

The Naval Weapons Center Search and Rescue helicopter will be on display, as will a back-country patrol unit of the Bureau of Land Management, a display unit from the California Highway Patrol and a paramedic unit from Tri-County Ambulance Service.

Health Fair Expo is a community service promoted by KNBC (Channel 4 in Los Angeles) and funded by Chevron U.S.A. Other sponsoring agencies are the Hospital Council of Southern California and the American Red Cross. Funds for rental of the site are being provided by the Kiwanis Club of Ridgcrest, whose members are also assisting with site preparation.

Health Fair Expo is open to residents of the Indian Wells Valley and surrounding communities, such as Trona and the southern portion of Inyo County.

### Magic Mt. offers rates for 'Military Fun Days'

Military personnel (including DoD civilians) needing some entertainment during the pleasant spring weather can take advantage of "Military Fun Days" being offered by the Six Flags Magic Mountain amusement park.

On the following dates — April 7, 8, 14, 22, 22-29 — all general admission tickets are priced at \$8.20. Tickets must be purchased in advance from Recreation Services, and are good on any of the above listed dates. The discount price is not available at the gates to Magic Mountain.

### Renaissance era music scheduled at WACOM luncheon

The Bach Players, consisting of Michelle Chase Bass on the violin, Greg Gottlieb on the cello and Patricia Farrell on the flute, will play Renaissance and Baroque music at the next meeting of the Women's Auxiliary of the Commissioned Mess (WACOM) on Tuesday, April 10.

The trio plays the music of Vivaldi, Handel, Hayden, and William Byrd, in addition to works by Bach.

The meeting, which is at the Commissioned Officer's Mess, will begin with a social hour at 11 a.m., followed by lunch and the program. Election of officers for the 1984-85 year will also be held.

Lunch will be a chef salad, rolls, and tortoni, and costs \$5 person. Reservations are required and may be made by telephoning Bette Jacks at 446-4748.

### Mexican fare set for WACOM Membership night

A Mexican buffet will highlight Membership Night on Friday, April 27, at the Commissioned Officers' Mess. Members and their guests will dine on tacos, bean burritos, enchiladas, and all the trimmings, and will finish their meal with a Kahua parfait.

Cost for members is \$7 per person; the price for guests is \$8.

Those attending will round out the evening's festivities by dancing to the music of "Sunlight," a local combo.

Reservations may be made by telephoning 446-2549, and tickets must be picked up before Wednesday, April 25.

### AFGE to meet Monday

Another of its regular monthly meetings will be held by Interdepartmental Local 3854 of the American Federation of Government Employees on Monday, starting at 7 p.m. at 520 E. Inyokern Rd.

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	"NEVER SAY NEVER AGAIN" Starring Sean Connery and Klaus Maria Brandauer (Action/Drama, rated PG, 134 min.)	APRIL 6
SATURDAY	"NATIONAL LAMPOON'S CLASS REUNION" Starring Genitt Graham and Fred McCarren (Comedy, rated R, 95 min.)	APRIL 7
SUNDAY	"THE TOY" Starring Richard Pryor and Jackie Gleason (Comedy, rated PG, 102 min.)	APRIL 8
MONDAY	"MARATHON MAN" Starring Dustin Hoffman and Laurence Olivier (Mystery/Drama, rated R, 125 min.)	APRIL 9
WEDNESDAY	"KILL SQUAD" Starring Jean Claude and Jeff Risk (Drama, rated R, 84 min.)	APRIL 11
FRIDAY	"FIGHTING BACK" Starring Tom Skerritt and Patti LuPone (Drama, rated R, 96 min.)	APRIL 13

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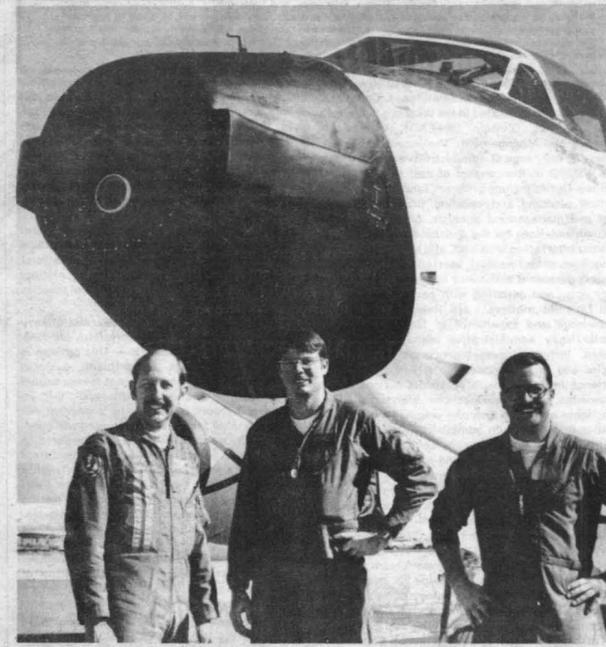
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NAVAL WEAPONS CENTER  
CHINA LAKE  
CALIFORNIA



**NEW CHALLENGE FACED** — Putting the A-3B Skywarrior through its paces while serving as a test bed for project work involving missile seekers and other components is the task of LCDR. John Hershberger (at left), A-3 Projects Officers in the Test and Evaluation Directorate. Shown with the project officer are AT2 Jeff Eden, plane captain, and (at right) AMS1 Anton Kiren, crew chief/navigator. — Photo by Clare Grounds

### A-3B Skywarrior aircraft modified to provide unique test bed for R&D work here

NWC's A-3B Skywarrior, originally designed by McDonnell-Douglas as a carrier-based nuclear bomber, has been modified to provide a unique test support bed to the Center's R&D program.

Utilizing in-house support provided by the NWC Aircraft Department's Engineering Support Division, substantial modifications have been made to the nose section of this aircraft. Two large I-beams have been mounted along the forward fuselage bulkhead, and the aircraft covering (skin) across the top of the nose has been doubled in thickness.

The extra strength resulting from these changes now makes it possible for missiles or project equipment to be mounted firmly on the nose of the aircraft for test flights made to check out the functioning of missile seekers or other components at speeds as high as 480 knots, at altitudes as high or as low as the project requires, during missions up to five hours in duration.

According to LCDR. John Hershberger, A-3 Projects Officer in the Test and Evaluation Directorate, the modifications were accomplished in a timely manner and at an extensive savings of federal funds.

While estimates of the cost of the changes that were made were in the range of a half-million dollars if done elsewhere, civilian

and military personnel of Code 61's Engineering Support Division accomplished the complicated task for under \$100,000, LCDR. Hershberger said.

Chuck Pierce, an electronics engineer in the Systems Engineering Branch (Code 6133), was the project engineer in charge of modifications to the A-3B Skywarrior. He was assisted by personnel of the Metal Trades Section (Code 61322) and Electric Shop (61323).

Metal Trades Section workers (principally Bill Lavender with Jim Payne and Ed Timmons) machined parts, bent forms, installed an extra thickness of covering (skin) on the nose of the aircraft, and worked with fiberglass to fabricate multicurve antenna mounts on the modified radome.

The electrical workers (principally Doug Driscoll) first removed all of the old wiring for the aircraft's radar and electronic warfare systems before installing new wiring from the nose to the tail, and from the cockpit to the bomb bay of the aircraft.

Some of this work was extremely difficult, LCDR. Hershberger noted, particularly the job of pushing wiring through conduits that passed through the aft fuel cell. The inaccessibility of the conduits coupled with the summertime heat at the time this job was being done complicated the task.

In spite of this, the entire electrical system checked out with no flaws or mistakes and averted the necessity of having to run an external conduit for some of the new wiring along the side of the fuselage.

Several types of shielded, low-energy loss wiring were installed throughout, extra power sources were provided, the cockpit instrument panels were modified to enable test engineers to mount their equipment, and a metal shelf was installed across the bomb bay on which equipment to be tested can be mounted.

(Continued on Page 3)

### Info on military health care is sought by DoD

The Defense Department wants to know how military families feel about their health care.

In a massive mail campaign that opened in February, the Assistant Secretary of Defense for Health Affairs began mailing questionnaires to nearly 14,000 military families worldwide. In addition, more than 5,300 physicians — military and civilian government employees — will get separate questionnaires as part of the survey.

Congress has told the Department of Defense to keep health care costs under control; but the DoD wants to make sure that military families are still getting all the health care services they need. That's why it's important for the person in each family who knows the most about the family's health care needs and past experiences to fill out the questionnaire.

DoD wants as many surveys returned as possible. One official, expressing confidence that the response will be large, said "People want to share opinions about their health care — good and bad."

Service families are being asked how satisfied they are with health care from military and civilian sources, how much they pay for care, and what kind of service they would prefer in various situations. The questions can be answered in about 25 minutes.

The Department of Defense is asking health benefits advisors at service hospitals to help publicize the survey. They're being encouraged to work with local groups, as well as with military public affairs offices and news media, to let people know the survey is on the way and that it's important.

"The health benefits advisor is the one person in the military health system who

(Continued on Page 3)



**ASSIGNED NEW ROLE** — This McDonnell-Douglas A-3B Skywarrior, developed originally as a nuclear bomber, has been modified extensively for use in weapons project test flights at NWC, while retaining its capability for parachute project test work as well.

### Sidewinder effort still going strong after 30 years

Although the Sidewinder Program is older than some of the people working for the organization, the same spirit, the same sense of innovation, the same excitement for which it has been noted during the past quarter century still abound.

Tom Hampton, Sidewinder Program Manager, attributes this to several causes.

First, Sidewinder is a China Lake program — as much today as when it was first developed here in the early 1950s. The involvement is full spectrum, from original concepts for future Sidewinder generations to actual development and testing, ground support equipment, aircraft weapon integration, production (and production verification testing.) Fleet introduction, Fleet support, and Foreign Military Sales.

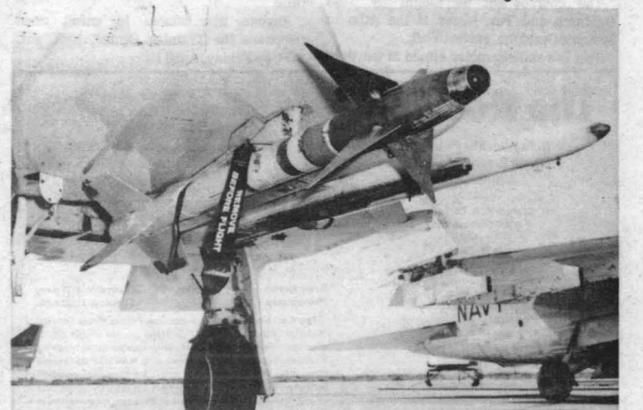
The Development Manager, Jim McCalester; the Production Manager, Dr. Bernie Wasserman; and the Foreign Military Sales/Ground Support Equipment Manager, Lee Sutton, are all members of the Sidewinder office, Code 3604, in the Engineering Department. The Technical Manager for the Product Improvement Program, Ken Banks, Code 39B3, is in the Weapons Department at China Lake.

Hampton notes that "Code numbers become insignificant because we're all part

of the Sidewinder team." Upward of 100 man-years of strictly Sidewinder work falls under the cognizance of the Engineering Department annually. The rest of the in-

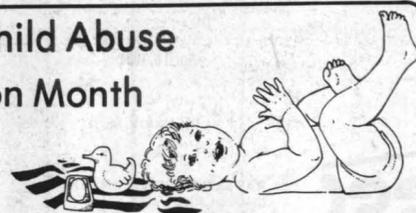
volvement is Center-wide, literally involving several hundred other personnel. Annual Sidewinder budget on board runs

(Continued on Page 4)



**READY TO GO** — A Sidewinder nestles under the wing of one of the Center's aircraft before being taken aloft for one of the many test flights involved with each generation of that missile family.

# April is Child Abuse Prevention Month at NWC



(Second article in series)  
The safety of "latch key kids" — children who either are left home alone because they are too young for school or who come home from school to an empty house because their parents are working — is a major concern, says Jim Brown, China Lake's Chief of Police.

The same financial need that makes it necessary for both parents to work (or for the single parent to work) is often cited by these parents for leaving children home alone because they say that they can't afford to hire a baby sitter or to arrange for child care.

"But," asks Brown, "what's a child's life worth?" Fires can easily be set by unattended children, even if their parents have taken the logical precaution of removing the knobs from stove burners at any time that no adult will be present, and have also removed all matches and lights — it's too easy to overlook just one match.

Recently, in the local area a fire was set by an unattended child, who did, fortunately, flee the flaming residence in time. Other, sometimes bizarre, accidents can occur that will be life-threatening to unattended young children; Chief Brown points out that there is no way to completely accident-proof a home.

Also, leaving one child in charge of slightly younger brothers and sisters also is not advisable because this is too much responsibility for a youngster, he says.

China Lake police have been called by neighbors to take action in cases in the past when these neighbors were concerned because young children were left in the care of other young children. (Leaving children unattended is a violation of the California Penal Code, and the Welfare and Institutions Code.)

When children have outgrown the NWC Child Care Center's afterschool program and are mature enough to be left alone, Chief Brown suggests that parents arrange for a neighboring adult to check on the kids at least once every half an hour, in addition to being sure that the children have an adult to check in with as soon as they get home.

On every phone extension there should be the sticker (issued by the China Lake Fire Division) that lists the telephone numbers of both the Fire Division and the Police Division so that a panicky youngster will not have to try to look up such a number in an emergency.

Youngsters should also be firmly instructed that they not allow other children in the house to play unless an adult is present. Rules of conduct when they are alone must be firm and there must be no deviation from these allowed, Police Chief Brown advises.

And if anyone knows of young children who are regularly left unattended, a phone call to either the We C. A. N. Help hotline (375-7100) or the China Lake police to counsel with the parents could well save a child's life.

## Promotional opportunities

Applications (Standard Form 171) should be 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. 2264. 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 1-118; those for all wage system positions are those defined in OPM Handbook, C-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. 08-018, Administrative Officer, DA-341-1, PAC No. to be assigned, Code 081** — This position is located in the Weapons Systems Cost Analysis Division (WSCAD), Office of Finance and Management. The incumbent provides the full range of administrative support for the WSCAD in the conduct of cost analysis activities. Duties include program fund monitoring, control, planning, and reporting; providing financial and management analysis, projection, and recommendations for the division as well as programs; interfacing with NWC and NAVAIR senior associates and financial specialists; providing project personnel assistance in procurement and contracts; and assisting with personnel, space, and facilities matters. **Job Relevant Criteria:** Knowledge and experience in Naval Weapons Center/Naval administrative management processes, including budget processes and fiscal cycles and controls under the NIF system; experience in dealing with personnel actions and knowledge of personnel actions, standards and functions; ability to exercise originality and initiative in dealing with administrative problems; ability to administer management policies and guidelines; ability to meet and deal with personnel at all levels on Center; and ability to communicate effectively orally and in writing.

**Announcement No. 39-013, Electronics Technician, DT-856-1, PAC No. 8139436N, Code 3925** — This position is in the Remotely Piloted Vehicle (RPV) Technology Branch. The incumbent will participate as part of a development team in the design and fabrication of prototype hardware for aircraft targets or RPV technology development projects. The incumbent will fabricate and test electrical and electronic assemblies and systems for aircraft and RPVs. **Job Relevant Criteria:** Qualified to solder to the NWC W56536 soldering standard or demonstrated ability to be qualified; general knowledge of microprocessor system, digital and analog electronic circuits; general knowledge of electronic and avionics systems. Status eligible to apply. Promotion potential to DT-3. Previous applicants need not reapply.

**Announcement No. 39-015, Mechanical Engineer, DP-830-3, PAC No. 8439533E, Code 3941** — This position is located in the Sensors and Platforms Branch, Electro-Optics Division, Weapons Department. The incumbent provides a lead engineering role in the mechanical design, analysis, fabrication, and test of seeker platforms for advanced optical, radar, and dual mode guidance systems. Duties include, but are not limited to, seeker platform design, development and test, and project engineering. **Job Relevant Criteria:** Experience in mechanical design and analysis; ability to transfer a design concept into a functional mechanism; ability to plan and communicate effectively both orally and in writing. A general knowledge of structural and thermal analysis, control theory are optical theory and desirable.

**Announcement No. 39-016, Electronics Engineer, DP-855-2/3, PAC No. 8439538E, Code 3954 (4 vacancies)** — These positions are located in the RF Systems Branch, RF Division, Weapons Department. The branch is engaged in advanced electronic counter-countermeasure (ECCM) signal processing concept/techniques for future and existing air target seekers. Several aspects of work are involved: fabrication and testing (concept validation). Incumbent will be responsible for one or more of these work areas. Conversion of specific analog signal processing to digital processing methods are also being investigated. This requires development of special algorithms to be implemented into a digital signal processor. **Job Relevant Criteria:** Knowledge of electronic engineering fundamentals, specifically as they apply to digital electronics, analog circuit design, RF and radar/antenna systems; ability to program in Fortran or Pascal is desirable; ability to communicate effectively both orally and in writing.

**Announcement No. 39-014, Mechanical Engineer, DP-830-2, PAC No. 8439534E, Code 3941** — This position is located in the Sensors and Platforms Branch, Electro-Optics Division, Weapons Department. The incumbent provides mechanical design, analysis, fabrication, and test of various seeker platforms, including advanced optical, radar, and dual mode guidance systems. Duties will include, but not be limited to, detailed platform design, structural and thermal analysis, hardware development and test. **Job Relevant Criteria:** Ability to conduct detailed mechanical design, integration, and associated analysis; ability to communicate orally and in writing. General knowledge of optical and control theories is desired.

**Announcement No. C-62-24, Interdisciplinary (General Engineer, DP-801-3, Physicist, DP-1310-3), PAC No. 8462521, Code 62B** — This position is located in the Range Department, Systems Engineering Office. The incumbent is responsible for representing the department and T&E initiatives in support of the Center's Internal Air Visibility Impact Study. The incumbent will interface with DoD and NASA T&E counterparts on visibility issues and serve as technical consultant to the Center's Environmental Office on visibility matters relating to the T&E mission. **Job Relevant Criteria:** Knowledge of the process of testing and evaluating weapon system performance, including data acquisition and instrumentation; demonstrated ability for effective written and oral communication; ability to plan, schedule, and coordinate activities across a spectrum of organizational elements. Photo-optics background desirable.

**Announcement No. 36-119, Engineering Data Technician, GS-303-4/5, PD 8136038N/8136924N, Code 3651** — This position is located in the Data Acquisition and Control Branch, Technical Data Division, Engineering Department. The branch provides data planning and configuration services, including identification, preparation, acquisition and administration of Center program data requirements. The incumbent will receive training to develop the basic skills needed for data and configuration management work. **Job Relevant Criteria:** Ability to read, comprehend, and apply written materials; ability to learn new procedures; ability to make decisions and accept criticism; ability to effectively communicate both orally and in writing; ability to work without close supervision. Promotion potential to GS-6.

**Announcement No. C-64-01, Electronics Engineer, DP-855-2/3, PAC No. 8464529E or PAC No. 8464531E, Code 64242** — This position is located in the Engineering Support Section, Telemetry systems Branch, Telemetry/Test Engineering Division of the Aerasystems Department. Incumbent will perform engineering design, development, and specification of various systems, equipment, and components for electronic measurement, timing recording control, and communication necessary to meet data and operational requirements of various missile programs. Incumbent performs technical studies and analysis of data recording in order to determine the adequacy of instrumentation and measurement techniques to be applied to specific missile tests and to meet the data requirements. Will advise the standard and special calibration procedures required to insure the accuracy and validity of recorded data. **Job Relevant Criteria:** Knowledge of design, development, test and analysis of electronic circuitry and components; ability to communicate both orally and in writing.

**Announcement No. 32-101, Interdisciplinary (Continued on Page 5)**

## Mobile blood bank will visit Ridgecrest Elks Lodge Tuesday

Another of the regularly scheduled visits to Ridgecrest by the Houchin Community Blood Bank's mobile unit from Bakersfield is scheduled next Tuesday.

Pints of blood contributed to the Indian Wells Valley's Advanced Fund will be collected from 1 to 6 p.m. at the Ridgecrest Elks Lodge, 200 E. Church St.

According to Kay Thoms, chairman, individuals may designate the person to whom their blood is to be given, or contribute a pint of blood to the TWV Blood Bank's Advanced Fund for whoever may need it.

Those who give blood in a particular patient's name must follow up and contact Mrs. Thoms by calling 375-4323, since she is the only person in this part of Kern County

who can arrange for the release of blood from the Houchin Blood Bank.

On Tuesday, prospective blood donors will be checked by a nurse at the blood bank. It has been determined that, in most cases, it is permissible to consume a small amount of food before donating blood. This will reduce the chance of feeling faint at the time that blood is being drawn.

Donors are still asked, however, to refrain from consuming fatty foods or alcohol for a minimum of three hours before giving blood. Those who are taking any kind of medication should let the nurse know what they are taking and the dosage.

Clerical help during the mobile blood bank visit will be furnished by the Ridgecrest Emblem Club.

## Class offered on software projects control

A few places are still open in a class entitled "Controlling Software Projects: Management, Measurement, and Estimation" to be held from 8 a.m. to 4 p.m. April 17 through 19 at the Training Center.

The course will be taught by Tom DeMarco and Tim Lister of the Atlantic Systems Guild Inc. of New York.

This is a skills seminar aimed at teaching

demonstrable capability in projecting and tracking key quantitative indicators of a software project. Also taught will be skills such as cost-modeling and methods of analyzing tradeoffs between effort and time.

Anyone who wishes to enroll must telephone the Training Center, NWC ext. 2359, by Friday, April 13.

## The Rocketeer

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## Burros crack win circle . . .

(Continued from Page 6)

The Burros outthrew the Rebels 11 to 8, but visitors from Quartz Hill had the edge in the long ball department as they hammered out three home runs, compared to just one for the Ridgecrest.

The foregoing total on homers by the Rebels might well have been upped to four had it not been for the fact that Kevin Richards, third baseman for Quartz Hill, was ruled out instead of being credited with a circuit clout.

After a lengthy discussion by officials and coaches, it was ruled that Richards was "out," and the run he tallied was wiped off the scoreboard because he had tossed his batting helmet to the ground before circling the base paths.

### COSTLY MISTAKE MADE

In the top of the fifth inning, with the Rebels resting comfortably on a 9-2 lead, it didn't seem awfully important at the time, but in the end it cost the Quartz Hill team a win, instead of being forced to a settle for a tie.

Although the home run by Richards, the Rebels' lead-off batter in the top of the fifth didn't count, Mark Kelley, the Quartz Hill catcher, put the ball over the fence with a runner on base later in the fifth inning as the visitors' expanded their lead to 11-2.

Both of these home runs were hit off Larry Jeffries, the third hurler put into the game for Burroughs. David Hawkins started the game on the mound for the Burros, only to be relieved in the top of the third by Jon Truitt.

Truitt was replaced by Jeffries with one out in the fourth inning, after walking the first two batters he faced and giving up a homerun to Mike Ruiz, Quartz Hill center fielder.

The Burros, who broke the scoring ice with two runs in the second inning, staged a 6-run uprising in the fifth inning to get back into the game by cutting the Rebels' lead to 11-8.

### BIG FIFTH INNING FOR BHS

The Ridgecrest team's big fifth inning began with walks issued to Jeffries and James Delgado. A sacrifice by Daniel Means advanced the runners to second and third base, before a single by Ray Halemán drove in Jeffries.

Mark Kaupp then cleared the bases with a home run over the centerfield fence. This so rattled Scott Johnson, the Rebels' starting pitcher, that he walked Kevin Blecha and Tim Lewis before being relieved on the mound by Chris Craft as pitcher for Quartz Hill.

Craft struck out the first batter he faced, but successive singles by Dan Allen and Jeffries produced two more runs before another strike out ended the fifth inning.

During their next at-bat in the sixth frame, Means beat out an infield hit when the ball was juggled by the Rebels' second baseman, and then moved into scoring position by stealing second base. Means then scored on hit by Blecha — cutting the visitors' lead to 11-9.

A walk to Richards, the first batter for the Rebels in the top of the seventh, was the signal for Coach Bill Sizemore to send in Steve Vie to relieve Jeffries as the BHS pitcher.

Kenny Rojas tagged Vie for a single, but sharp fielding by the Burros resulted in a play at third base to cut down Richards for the first out, and a force out at second (while Rojas advanced to third) was the second out of the inning.

### NWC team entered in MDISL bowling tourney

A six-man combination military and civilian team will represent the Naval Weapons Center at the Mojave Desert Interstate League (MDISL) bowling tournament this weekend at March Air Force Base in Riverside.

The China Lakers who will vie in the singles, doubles and team event competition are Dave Reimers, Pat Nalley, Larry Nolan, Tracy Brandt, Jim Barnes and Allen Smith.

First round action in the MDISL bowling tourney will get underway at 10 a.m. tomorrow.

Jeff Venegas then hit a looping fly ball that was jarred out of the glove of Means, when he hit the ground trying to make a diving catch, as Rojas scored from third base to boost the Rebels' lead to 12-9.

The Rebels' third out came with runners at first and third when Catcher Dan Allen fired the ball to second to prevent a stolen base. The ball was relayed to catch the runner off base between home and third, and the latter was tagged out in a run down by Allen.

The Burros' final chance for a win ended in a strikeout with two runners on base, but not before the Ridgecrest team had scored three runs to tie the score at 12-12.

Allen led off by getting to first base when he was hit by a pitch, and raced to second on a wild pitch. Hawkins was safe at first on an infield error that allowed Allen to move to third and then scored on a double by Allen Celestine.

Means then drew a walk to load the bases with no outs, before Halemán hit a ground ball that scored Hawkins from third as Celestine was forced out at second base for out No. 1.

Kaupp's hard-hit ball to short stop was dropped for an error, and once again the Burros had the bases loaded. Next, a ground ball to second base hit by Blecha forced out Kaupp at second as Means scored the game-tying run.

A strikeout ended the contest as the sun dropped below the Sierras.

Ruiz, Kelley and John Scripser all hit home runs for Quartz Hill, a feat that was duplicated by Kaupp for Burroughs. In addition, Halemán, Lewis and Celestine all had two-base blows for the Ridgecrest team.

Quartz Hill hurlers issued six walks, compared to five given up by pitchers for Burroughs, and each team committed four errors.

### Brochure on local sports programs available at gym

A brochure about the various sports programs and facilities that are available at China Lake has been prepared, and copies of it can be picked up at the Center gym office.

The brochure lists hours of operation, in addition to miscellaneous information about special interest programs and intramural sports leagues.

## Promotional opportunities

(Continued from Page 5)

Knowledge of computer terminology and technical terms; ability to perform computer operator functions; ability to deal effectively with others; and knowledge of basic VAX 11/780 and/or INGRES commands desired. This position may require some shift work.

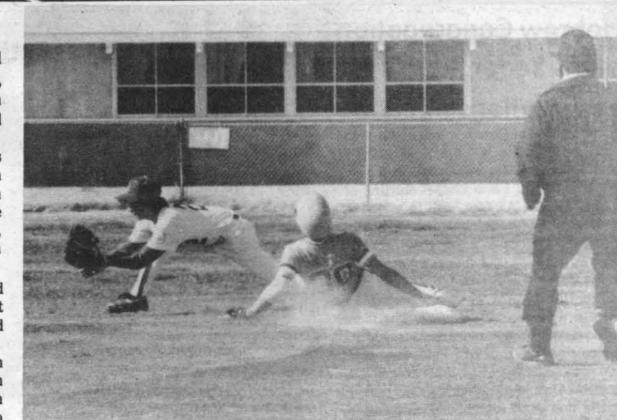
**Announcement No. 36-124, Clerk-Typist, GS-322-2/3/4, PD No. 8436013N, Code 3651** — This position is located in the Data Acquisition and Control Branch, Technical Data Division, Engineering Department. The incumbent provides clerical support to this office. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to review, control, screen and distribute incoming mail; ability to review outgoing correspondence; knowledge of filing systems and files management.

**Announcement No. 31-030, Interdisciplinary, General Engineer, Physicist, Mathematician, Computer Scientist, DP-801, 855, 1310, 1520, 1550-2/3, (multiple vacancies)** — These positions are located in the Weapon System Software Office (WSSO), Aircraft Weapons Integration Department. The WSSO provides data management, configuration management and quality assurance support to the computer software development and maintenance projects of the department. Projects supported include the A-4, AV-8, F/A-18, A-6, A-7, AH-1, and Versatile Computing System (VCS). The incumbent will perform Software Product Assurance (SPA) efforts involving configuration management (CM) and quality assurance (QA) tasks on one or more of the projects listed above. Task leader vacancies exist on the A-4/AV-8, A-6, and VCS projects. There are multiple CM and QA vacancies. The task leader is responsible for planning, review, liaison, reporting and management of the project SPA effort, including direction of SPA task member efforts. The CM/QA engineer is responsible for detailed planning and execution of SPA tasks on a project. SPA task elements include CM/QA plans and procedures, CM/QA methods and computer-based tools, reviews and audits of in-house/contractor compliance with SPA principles and requirements, software configuration identification, configuration status accounting, change control/processing, functional/physical configuration audits, software quality analysis, plans and

appropriate levels of maintenance, (2) analyzing test requirements, procedures and results, (3) determining proper tools and support equipment, (4) coordinate development and update of maintenance manuals, technical orders, directives, work unit code manuals and check list(s) establish training criteria and (6) participate in development of provisioning technical documentation, source coding and item selection. **Job Relevant Criteria:** Ability to integrate the separate functions in planning or implementing a logistics management program; knowledge of engineering change, configuration management and Configuration Control Boards; evaluation of failure and malfunction reports; knowledge of contracting methods, procurement data packages, statement of work, and procurement request; ability to prepare and present briefings to various levels of management; and ability to develop and adjust plans and schedules for actions to meet each requirement on time. Skill in oral and written communications required. Status eligible may apply.

**Announcement No. 36-120, Interdisciplinary Computer Scientist, Mechanical/Electronics/Industrial Engineer, Computer Specialist, Engineering Data Management Specialist, Quality Assurance Specialist, DP-830/855/866-3/DS-3/DS-301/234/1910-3, PAC No. 8336694E14, Code 36501** — This position is located in the Technical Data Division of the Engineering Department. The incumbent will support program offices in planning the acquisition and development of software in tactical and ADP projects. The incumbent should have a wide variety of experiences in project planning, documentation, configuration management, quality assurance for software acquisition support. The incumbent will support the head of the Software Acquisition Support Office in reviews of factual and ADP projects which contain software. **Job Relevant Criteria:** Ability to communicate both orally and in writing; ability to give presentations; ability to review and analyze proposed contracts, statements of work, project plans, design documentation, management plans, and proposed standards; knowledge of Navy policy and standards for software development. Specific experience in at least one of the technical fields is needed to develop or "maintain" software.

**Announcement No. 36-121, Logistics Management Specialist DS-346-3, PAC No. 8436621E, Code 3644** — (2 vacancies) These positions are located in the Integrated Logistics Support Branch, Fleet Engineering Division, Engineering Department. Incumbent of this position is responsible for acquisition logistics of an assigned weapons systems responsible for determining requirements for missile maintenance, testing, assembly, storage, support equipment, technical manuals, training and provisioning. This involves (1) determining



**STOLEN BASE** — Ray Halemán, second baseman for the Burroughs High School varsity baseball team, waits for a throw that is too late to prevent Jeff Venegas, Quartz Hill short stop, from sliding in safely at second. The Burros and Rebels, both resting in the cellar in Golden League standings, battled to a 12-12 tie in a game played here last Friday.

## Youth Soccer League results . . .

(Continued from Page 7)

performed well. Strong defensive play in the second half by Jim Bailey, center fullback for the Blizzard, helped hold the Timbers to just one goal that was tallied by Benny Trujillo unassisted. Floyd Preyeneer and John Evans, goalies for the Timbers, played a vital part in their team's narrow win.

Dwight Mason scored off a corner kick by Ryan Christensen and a pass by Nathan Nickell to give the Earthquakes a 1-0 win over the Lancers, who were led on defense by Cindy Bumgardner and Jothan Schwartz.

For their part, the Lancers played a strong game on offense that kept the ball in the Earthquakes' end of the field for most of the game. The 'quakes kept the Lancers' defenders' busy with shots that went around and over the goal, but never into the net — thanks to the play of a quick, alert and strong goalie for the Earthquakes.

Two close games and three others that ended in tie scores were played by Div. I Youth Soccer League teams last Saturday.

The Cobras and Chiefs edged the Eagles and Roadrunners by scores of 2-1, and 1-0, respectively, while the contest between the

Coyotes and Owls ended in a 1-1 tie. Two other Div. I games between the Express and Rowdies and the Fury and Apollos ended in scoreless ties.

During a wild and furious game, made more so by the gusty wind, Jose Ramirez and Kathleen Garrison scored one goal each to lead the Eagles to a 2-1 win over the Cobras, who averted a shutout as the result of a goal by Braunsdon Lilly.

Brian Bowling, Hugo Montz, and Isaac Curran led a team effort on offense that resulted in a 1-0 win by the Chiefs over the Roadrunners.

Aaron Altieri scored a goal for the Owls in the first quarter of the Owls vs. Coyotes game, but Coyotes came back with a goal by Michael Frederick in the second half to tie the score at 1-1. Kevin Self, goalie for the Coyotes, preserved the deadlock with a goal-saving blocked shot in the closing seconds of the contest.

Last Saturday's 0-0 tie was the third in a row for the Apollos, who tangled with the Fury.

Jonathon Moffitt led several offensive drives, but none were culminated by a goal for the Rowdies in their scoreless draw with the Express.



### Scorpions '68 team in first place after defeating Cosmos 2-1

This past Sunday, the Scorpions '68 soccer team of Ridgecrest took sole possession of first place in the Inland Empire Youth Soccer League (IEYSL) when they tripped up a pugnacious Cosmos team in San Bernardino by a score of 2-1.

This win gave the Scorpions their third straight win, and moved them a notch ahead of the Riverside Devils, who were idle last week.

Defense was the strong point in the first half, with neither team able to score until Scorpion player Scott Piri sent a long cross-field pass over the Cosmos' defensive players and into the path of hard-running team-member Bill Hugo, who was racing towards the Cosmos' goal. Hugo, on a great effort, flicked the ball past the San Bernardino team's goalie for the score.

For the remainder of the first half, the game was a tough, defensive struggle. The Scorpions were hardpressed in their efforts to prevent the Cosmos players, who tended to be physically bigger and more aggressive, from punching the ball through the Scorpions' defense.

In the second half, the Scorpions finessed an insurance goal through the play of Mike Mills, who floated a free kick just in front of the Cosmos goal-box where Bill Ledden was waiting to lob a header over the Cosmos goalie and squeak the ball just under the crossbar for the Scorpions second and last score of the game.

According to Karl Kauffman, team coach, the Scorpions' play for the second half was tough, much tougher than in the first half, and they began to dominate the Cosmos in every aspect of the game.

Thanks to the efforts of Scorpion fullbacks Brian Hayes, Neil Johnson, Mike Mills, and John Placencia, the Cosmos were only able to penetrate the Scorpions' territory twice. On one occasion, a goal was scored by the Cosmos after a mad scramble following a corner kick by the Scorpions.

One Ridgecrest player attempted to clear the ball away from his team's goal and accidentally kicked the ball straight into a Cosmos player. The ensuing rebound pitched the ball into the Scorpions' net past a very surprised Scorpion goalie. That ended the game at 2-1.

### Youth soccer teams clash in low-scoring contests

Close competition between teams entered in Div. IV (for 7th, 8th, and 9th graders) of the Youth Soccer League resulted in a 2-1 win by the Bandits over the Lasers and a 1-1 tie in the Bandits vs. Hotspurs contest last Saturday at Kelly Field.

In one other Div. IV tilt, the Lasers edged the Hotspurs 1-0 on a goal scored by Brian Lindsey, assisted by Mike Savko. Cited for their play on offense for the Lasers were Stephen Curran, Patrick O'Donovan and Ted Engle.

Some good individual efforts were keys to the Bandits' 2-1 victory over the Lasers. Paul Grenier broke from midfield and blasted past the Lasers' defenders to tally one goal for the Bandits, while a teammate (Richard Flores) scored after displaying some fine ball control before firing a shot past the Lasers' goalie.

Brian Lindsey also tallied the only goal for the Lasers in his team's loss to the Bandits.

The Bandits, who put together their best game of the season, were held to a 1-1 tie by the Hotspurs. Roman Soto scored the lone goal for the Bandits, assisted by Paul Grenier, who had headed the ball out of the reach of the Hotspurs' goalie. Cary Cooper accounted for the Hotspurs' single tally.

A 2-1 win by the Sounders over the

### Burros break losing streak, defeat Antelopes 6-5

Start of round No. 2 of Golden League varsity baseball competition was a new beginning for the Burroughs High School team, which posted its first league win of the 1984 season on Tuesday afternoon.

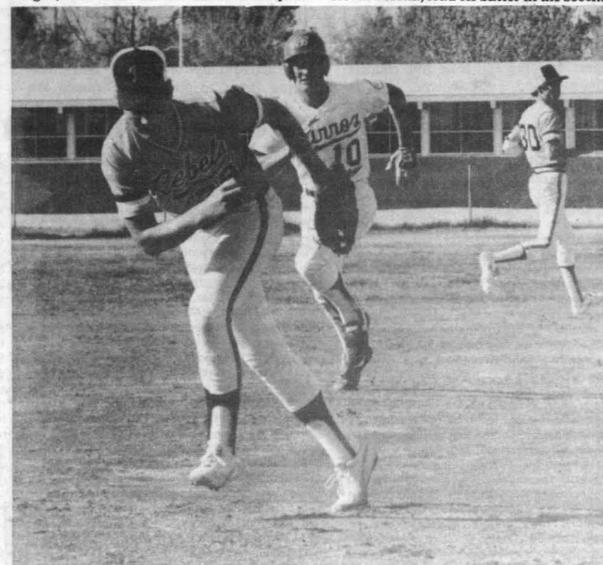
The Burros edged Antelope Valley High School of Lancaster 6-5 on the strength of a good pitching performance by Steve Vie, a fine relief effort on the mound in the seventh inning by David Hawkins, and some timely hitting.

This victory over the 'Lopes, coupled with a 12-1 tie with Quartz Hill, came after four previous league losses that included an 8-1 defeat by the Lancaster team in the first league game of the season.

Next league action for the Burros will be at Canyon High this afternoon at 3 o'clock, and a home game on Tuesday with Saugus that also will get underway at 3 p.m.

The Antelopes started off in impressive fashion Tuesday afternoon with a home run by Mike Vierra, lead-off batter, and then tallied two more runs in the first inning to take a 3-0 lead.

After giving up another run to AV in the third inning, Vie, who was making his first league start of the league season for Burroughs, settled down and held the 'Lopes



**TIME TO HUSTLE** — Kevin Blecha (No. 10) of Burroughs, races toward third base trying to advance on a ground ball sacrifice hit. Intent on reaching third ahead of him is Kevin Richards, third sacker for the Quartz Hill Rebels, whose failure to keep his batting helmet on while running the base paths after hitting a home run, wiped out that run and resulted in an out instead of a tally. It turned out to be a costly mistake when the game between Burroughs and Quartz Hill eventually ended in a 12-1 tie. In the background is Jeff Venegas, the Rebels' short stop. — Photo by PHAN Rebecca Gill

Diplomats, and a 1-1 tie in the game between the Tornados and Kicks highlighted last Saturday's action in Div. III of the Youth Soccer League.

A 1-1 tie was broken in the last few minutes of the Sounders vs. Diplomats contest by a game-winning goal that was tallied by Brenden Ledden, assisted by Bobby Eichenberg. Ledden also tallied the Sounders' first goal of the game, assisted by Derek Lindsey. The lone goal for the Diplomats was tallied by Daniel Hobson.

Wind that kicked up rocks and sand made for difficult playing conditions during the tie game between the Tornados and Kicks. Marc Frisbee, assisted by Jeremy Osburn, scored for the Tornados, a feat that was duplicated for the Kicks by Mike Vickers, assisted by Kevin Collie.

In two other Div. III contests, the Rogues shut out the Surf 3-0 on goals by Jeff Flower, Jacob Jones and Andrew Higgins, while the Whitecaps romped to a 6-0 win over the Roughnecks.

Three goals by Armando Valdivia (one on a penalty kick), and one each by Revelle Bailey, Tim Poggee and Mike Kinne, powered the Whitecaps past the Roughnecks.

Close, low-scoring games were the pat-

terless until he was relieved in the top of the seventh by Hawkins.

Vie was in trouble in the top of the seventh as the result of an error, a single and a double that drove in a run to cut the Burros' lead to 6-5 with no outs.

Hawkins, who took over the pitching chores for Burroughs, struck out the first two batters he faced. Jess Kent, a pinch hitter for the 'Lopes, stepped to the plate with runners on second and third but never got a chance to show what he could do.

A low pitch momentarily got away from Dan Allen, the BHS catcher, and Jeff Harris raced home from third in an attempt to score the game-tying run. Fortunately for Burroughs, Allen found the handle on the ball and fired it to Hawkins, who had come in from the pitcher's mound to cover the plate.

A low pitch momentarily got away from Dan Allen, the BHS catcher, and Jeff Harris raced home from third in an attempt to score the game-tying run. Fortunately for Burroughs, Allen found the handle on the ball and fired it to Hawkins, who had come in from the pitcher's mound to cover the plate.

Harris was tagged out in a close play, and the game ended with the jubilant Burros on top by a score of 6-5.

In the game with AV, the Burros came back from a 3-run first inning deficit to score three runs each in the second and third innings and, as it turned out, that was just enough offense to win the game.

Kevin Blecha, lead off batter in the second

for Burroughs, blasted a home run over the fence in left-center field, and Tim Lewis followed with a single to the outfield.

Lewis stole second base and made it to third when the AV catcher juggled the ball on a pitch that sent Allen to first base with a walk. Wayne Gall, the AV catcher, had trouble with some of the low pitches thrown by Dennis Wilson, the starting pitcher for the Lancaster team, and this proved to be the case moments later when the ball got by him and Lewis raced home from third to tally run No. 2 for Burroughs.

On the same play that Lewis scored, Allen advanced to third and was then driven in by a short fly ball off the bat of Allen Celestine that dropped behind the AV second baseman.

The Antelopes scored one run in the top of the third to regain the lead 4-3. The visitors' advantage was short-lived, however, as the Burros came back with three runs of their own in the bottom half of the third.

**HALEMAN LEADS OFF RALLY**  
Ray Halem led off this BHS rally with a hard hit ball that the AV shortstop dropped for an error as Halem raced to first base. The speedy Burros' second sacker then stole second and Mark Kaupp drew a walk.

Halem and Kaupp advanced to third and second base, respectively, when the AV catcher let a wild pitch get away from him. Halem then scored on a ground ball hit by Lewis to the AV shortstop, whose throw to the plate was too late to get Halem.

An intentional walk was issued to Allen to load the bases, and this strategy backfired when a single to centerfield by Hawkins drove in Kaupp and Lewis.

**BURROS OUTHIT BY AV**  
The Burros were outhit 10-6 by Antelope Valley. Extra base hits by the visitors included a home run and a double by Vierra, as well as two-base hits by Steven Randall and Dave Coleal.

Tony Slanez, who relieved Wilson, AV's starting pitcher in the fourth inning, struck out 6 and walked 2, while Wilson had 3 strikeouts and 2 walks during his stint on the mound.

Vie, winning pitcher for Burroughs, struck out 2 and walked 4. Hawkins delivered 2 key strikeouts in the crucial seventh inning after replacing Vie.

The home run by Blecha was the only extra-base hit by the Burros.

Burroughs High School's varsity baseball team learned that, given the opportunity, it can score a lot of runs. Unfortunately for the Burros, so did the Quartz Hill Rebels during last Friday's game between these two teams that ended in a 12-1 tie that had to be concluded because of impending darkness.

(Continued on Page 7)

### Thrifty Wash team lose big in Premier League bowling play

The on-again, off-again Thrifty Wash kегlers, who have had a lock on first place in the Premier (scratch) League for several weeks, saw their hopes dealt a severe blow when the upstart Joseph's Italian Garden's team rolled over them by a score of 23½ to 1½ points during Monday night's action at Hall Memorial Lanes.

This turn of events enabled the second place Elks Lodge squad to draw to within 15 points of the league leaders, while the Hideaway bowlers aren't far behind in third place.

Both the high team game (1058) and high team series (2886) scores were racked up Monday night by the Buggy Bath team, which won its match with the Modern Trophy squad 18-7.

Individual honors were garnered by Aaron Kane, who had a triple 200 series score of 644 that was built on individual game totals of 232, 210 and 202. In addition, Dave Reimers topped the 600 series mark with a 604.

Besides Kane, Premier League bowlers with single game scores of more than 220 were George Bowles (267), Reimers (242), Ken Dalpiaz (229 and 223), Will Levy (228), and Glen Collins (224).

(Continued on Page 7)

### 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. K. A. Dickerson. 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** — My question concerns the improvements to the Capehart B area complex. I think that this is an area that should be subjected to an intensive investigation by Waste, Fraud and Abuse. Not only were my counter tops and shower door in excellent shape but they were replaced with highly inferior materials. I worked in the construction industry for six years with one of the largest housing contractors in the nation. There is no way you can convince me that replacing cement and tile with fiberboard (which is recycled sawdust) and fake wood grain, is cost effective.

Why was it necessary for the contractors to take my shower door outside and immediately stomp it to bits? Perhaps so no one could see? And on top of that, for no justifiable reason, my sink was removed, but not replaced the same day. Inconvenience seems to be standard policy here. And to top everything off, when my wife came home from work, she was subjected to catcalls from the contractor employees sitting out in my neighbors' front yard. I'm furious — and yet, what recourse do I have except this probably useless letter?

#### ANSWER

The project to replace counter tops and shower doors effects 328 Capeharts built in 1961. A majority of these 23-year-old units needed to have counter tops and shower doors replaced. As far as being cost effective, tile and cement is expensive, replacement tiles are no longer available, regrouting at each change of occupancy is costly, so in the long run and for the majority, tile and cement costs much more.

The material being installed meets Navy and industry standards and is not considered to be inferior. The contract allows for the kitchen to be out of commission for three days. The work is getting done in less than two, so I believe that an effort to cause a minimum of inconvenience is being made. I understand that your shower door was accidentally destroyed. This is not happening to other doors.

If your wife was subjected to harassment by workers you should have called the Housing Office (the number was on your door knob notice) so that appropriate action could have been taken. Be assured that your letter is not considered to be useless. Letters such as yours alerts management to the concerns of people living on station.

#### QUESTION

**Military** — I'd like to know why, since the dog pound is here on the base, we don't make some kind of health inspection of it for unsanitary conditions. Please respond. Thank You.

#### ANSWER

Your question is right on. We should and will conduct monthly inspections to ensure the facility is free from human health hazards since the shelter is still located aboard the Naval Weapons Center. These inspections commenced in February 1984 and will continue until the city eventually relocates the shelter.

### AMS2 Rodriguez singled out as VX-5's March Sailor of Month

Aviation Structural Mechanic 2nd Class Julie Rodriguez has been singled out for recognition as the Sailor of the Month for March by Air Test and Evaluation Squadron Five (VX-5).

With the exception of 7½ weeks of basic training, AMS2 Rodriguez has been with VX-5 for all of her four years of active duty in the Navy.

At the present time, she is working in the VX-5 Administrative Office, where she handles the multitude of paperwork details associated with temporary training assignments for squadron personnel who are dispatched on aircraft maintenance assignments funded by the Commander, Light Attack Wing, Pacific.

In a letter of commendation from Capt. Roger P. Flower, Commanding Officer of VX-5, that was presented to AMS2 Rodriguez, the Sailor of the Month is cited for her outstanding performance as a member of the Administrative Department. Especially noted was her "superb management of COMLATWINGPAC TAD assignments."

"Although virtually self-trained in the yeoman rating, your complete competence is noteworthy," the VX-5 Skipper noted. "You have concentrated not only on your own professional development, but through your diligent efforts as Departmental Training Petty Officer, you have done much to enhance the professional and military growth of the Administrative Department," it was added in the letter from Capt. Flower.

During her lengthy assignment as a member of VX-5, AMS2 Rodriguez has been recognized previously as the squadron's Sailor of the Month in November 1981, and was selected as VX-5's Sailor of the Quarter for the period of October through December 1981.

AMS2 Rodriguez is married, and she and her husband, Ron, are the parents of a year-old son named Daniel. Her husband is employed as a jet engine mechanic by Kentron, International, a contractor involved in work at NWC.

In their spare time, they enjoy visiting her parents and other relatives who live in her home town of Reno, Nev., and his family, — whose various members reside in southern California.

For being selected as VX-5's Sailor of the Month, Petty Officer Rodriguez received (in addition to the letter of commendation) a handsome plaque with her name inscribed on it, and a 72-hour pass. She also received one month free of duty, as well as use of a reserved parking space at Hangar 1 for a period of one month.



AMS2 Julie Rodriguez



**CONSERVATION PAYS OFF** — Garyl Smith (at left), head of the Energy Program Office, accepts a check for \$12,360 from Southern California Edison Company District Manager Dave Henderson, as John O. Dodson, Energy Services Representative for the company, looks on. The Center received this rebate on its utility bill because of energy conservation measures taken. — Photo by Clare Grounds

### Energy Conservation pays off in rebate from So. Calif. Edison

The Center's conservation of energy has once more paid off in cash as well as in savings, according to Garyl Smith, head of the Energy Program Office.

NWC qualified for a \$12,360 rebate from the Southern California Edison Co. under that company's commercial/industrial rebate program. The rebate program recognizes the installation of conservation hardware items that are cost effective and save energy.

Three sets of hardware at NWC were recognized by the SCE Energy Services Representative for this rebate program. These include single building energy monitoring and control systems (SBEMCS), evaporative cooling modifications, and ultrasonic motion sensors.

### Thanks expressed for support of 'Marine Beirut Relief Fund'

A letter of appreciation was received this week at the Naval Weapons Center's Marine Corps Liaison Office acknowledging the donations collected here last November and December for the "Marine Beirut Relief Fund."

The letter, sent by Major General A. M. Gray, Commanding General of the 2nd Marine Division at Camp Lejeune, N.C., expressed his gratitude for the contributions from Naval Weapons Center military and civilian personnel following the terrorist bombing incident in Beirut, Lebanon, which claimed the lives of more than 200 Marines and sailors, and wounded many others.

"Your thoughtful and unselfish gift is indicative of the concern and care our nation has shown for families of these Marines sailors and soldiers throughout this stressful period," General Gray wrote.

"You can be assured that the necessary steps are being taken to use this gift to help those families in their time of need," the message continues, adding that suggestions on how best to utilize these funds are welcome.

"It is indeed comforting for our Marines to know of the concern and support you have shown at this time, and you may rest assured that the Marines will remain 'Always Faithful' to their tasks. On behalf of the Marines and sailors of the 2nd Marine Division, please accept my deepest appreciation for the special way you have helped the families of our fallen comrades," the letter from General Gray concluded.

### Health care . . .

(Continued from Page 1)  
can relate to the need for all of the questions in the survey," noted a DoD spokesman. "We know we can count on them to help get responses back."

Understanding how people feel about their health care will help the Defense Department find ways to improve the health programs it offers.

The SBEMCS considered for the rebate that are already on-line include those in the Headquarters Building and the Public Works Department Engineering Building, and will shortly include the Enlisted Mess, the Anti-Radiation Guidance Laboratory, and the Instrument Operations Building (IOB).

Contracts have been let for evaporative cooling modifications for both the Personnel and Supply Department buildings at 505 and 515 Blandly, respectively.

Six ultrasonic motion sensors have been installed in Michelson Laboratory, the Public Works Department's buildings 981 and 982, and IOB. These sensors determine whether there is anyone moving around inside rooms; if not, the sensor automatically turns off the lights.

In addition to the money received from SCE, the Center's energy conservation efforts also won the Energy Incentive Awards from the Chief of Naval Material. The award for fiscal year 1980 was \$200,000; for FY 1981, \$177,000; and for FY 1982, \$185,000.

### A-3B Skywarrior . . .

(Continued from Page 1)

The modifications to the A-3B Skywarrior make it possible to record on-board data or use telemetry, and utilize either electronic or video systems with equal ease, Lcdr. Hershberger said.

At the same time, the aircraft has lost none of its capability for parachute project test work. The cockpit escape chute forms a slide that can be used by Aerosystems Department test parachutists, or the bomb bay can drop instrumented parachute systems at high speeds.

The first weapon system being tested since modifications on the A-3B Skywarrior have been completed is an electronic warfare system being checked out for a contractor by the Fuze and Sensors Department's Radar Technology Branch.

The Skywarrior is a large aircraft with a 72-ft. wing span powered by two turbojet engines. It is a single-pilot plane with room for four others in the cockpit.

Despite its size, the A-3B is able to operate on aircraft carriers. Because it is the biggest aircraft to operate from carriers, it has been dubbed the Whale generally; and locally (because of its paint job) it is known as the Great White Whale.

Lcdr. Hershberger noticed one day recently that this had been carried a step further by someone painting the name "Ahab" beneath the pilot's cockpit window. In addition to Lcdr. Hershberger as pilot, key personnel are AMS1 Anton Kiren, crew chief/navigator, and AT2 Jeff Eden, plane captain.

Development of the test bed has been strongly supported throughout the project effort by Capt. J. T. Phaneuf, Deputy Head of the Test and Evaluation Directorate; and Ed Donohue, Associate Head of the NWC Aircraft Department.

### Unit of Canadian airmen involved in test project here

Sharp-eyed sky watchers who thought that they were seeing something a bit different in local skies during the early part of March were correct: another Canadian Forces F/A-18 was zipping around the local area.

Flying the aircraft was Major Gary Lacroix, a test pilot, who was accompanied by Capt. Jake Jacobson, the Officer-in-Charge of the detachment, and a group of 12 enlisted personnel. All the Canadian Forces personnel in the group came from a Canadian flight test center at Cold Lake, about 180 miles north of Edmonton, Alberta.

The Canadian Forces personnel were using the NWC ranges in a joint Canadian/United States test project, and were working with members of Air Test and Evaluation Squadron Five (VX-5).

VX-5 personnel involved in the joint project included LCDr. Doug Henry, Lt. Pat Walsh, Lt. Ray Tapani, AVCM Earl Warner, and AOC James Monahan. Data acquired in test missions flown by both groups will be shared.

Although the support personnel were flown to NWC in a Canadian forces Buffalo (like the Center's own), everyone but Maj. Lacroix drove to the Pacific Missile Test Center at Pt. Mugu for another two weeks of tests before returning to Canada. Maj. Lacroix, of course, was able to make a considerably faster trip in the skies.

Before leaving China Lake, Maj. Lacroix and his team presented an autographed photo to Capt. Roger Flower, VX-5 Commanding Officer, in appreciation for the warm welcome and the cooperation that the Canadians had received.



**REMAINS IN NAVY** — YN3 Peggy Crosby, who was assigned to the Command Center Counselor's Office in the Military Administration Department, recently re-enlisted in the Navy for four years. She has since been transferred to the U.S. Naval Magazine at Subic Bay in the Philippine Islands. YN3 Crosby, who has served in the Navy for four years, joined the Navy in Syracuse, N.Y., and was assigned to NWC following a tour of duty at the Naval Shipyard in Bremerton, Wash.

### Police reports . . .

Vandals struck in the BEQ parking lot on the evening of Wednesday, March 28, leaving behind damage estimated at more than \$600.

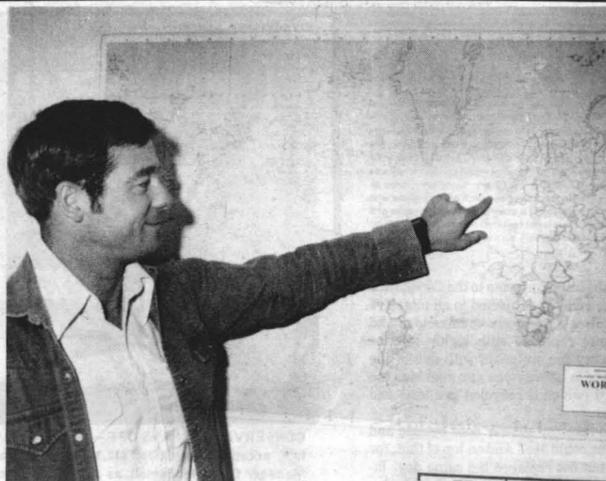
Two tires and the canvas convertible top on a 1971 MG were slashed, as were all four tires on a 1971 AMC Javelin.

### HIT, RUN COMPLAINT FILED

A vehicle hit and run complaint has been filed against a woman motorist, following an incident that occurred at a residence on Nimitz Avenue at mid-day on Wednesday March 28.

The woman reportedly backed her car out of a garage without bothering first to open the garage door, which struck her husband, and then proceeded to head south on Richmond Road at a high rate of speed.

In the vicinity of the NWC back gate, the woman driver lost control of her car, which rolled over. She was transported to the Ridgecrest Community Hospital for treatment of injuries suffered in the auto accident.



**INTERNATIONAL BROADCAST** — Dave Rosenthal points out some of the places that are reached by his weekly "Skyline" broadcast on shortwave Radio Earth.

### Amateur radio operators help spread information worldwide

In the "Cosmos" series filmed for television, Dr. Carl Sagan asked, "Who speaks for the earth?"

A group of amateur radio operators have taken upon themselves to answer that "Radio Earth" does. They have formed this non-profit group to provide a non-sectarian, non-political shortwave broadcast nightly that can be heard in more than 60 nations to present topics of widespread interest for those who live in areas where other media are either highly propagandistic or totally lacking.

Begun in 1979, the group has actually been on the air for about a year now, and can be heard at 6.185 megahertz on the shortwave band each evening at 8 o'clock Pacific time (or 4 a.m. universal). Those taking part in the broadcasts make tapes that are sent to Evanston, Ill., where the tapes are edited and spliced and then sent to be broadcast over a transmitter leased from WRNO in New Orleans, La.

One of the regular features on this broadcast (to be precise, a feature heard regularly each Thursday) is the work of a local man, Dave Rosenthal, currently the F-86 Project electrical/electronics engineer.

A largely self-taught serious hobbyist in astronomy, his "Skyline" discusses what is happening currently in the sky with the aim of producing a generation of listeners who are not only interested in astronomy but also willing to send data to him (or to other astronomers) about what they are observing in the sky.

With the scarcity of professional astronomers and the vastness of the sky, amateur skywatchers are invaluable for such data-gathering required to provide needed information for filling in gaps in knowledge as they are identified.

For instance, amateurs are currently being asked to take part in "Comet Halley Watch," making the many observations that can only be made each 76 years.

Rosenthal says that preparing each 10-to-15-minute tape takes him about eight hours. In addition, he also prepares short informational items that can be used as fillers for the station that covers topics mainly dealing with the earth and planetary sciences.

Even though people of a variety of nationalities prepare segments to be broadcast, English is the only language used on the air. The majority of listeners (from the

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responses received so far) are in the eastern United States, Canada, Central and South America, and many of the nations of western Europe. To extend coverage to include more of the Eastern Block countries and to extend further into Africa and the Near and Middle East, an arrangement with Radio Milano similar to that with WRNO is now being pursued.

Rosenthal, who has a bachelor's degree in physics from California State University at Sacramento, was interested in short wave radio well before becoming an Army helicopter pilot in Vietnam. His current flying activity includes serving in the Army Reserves as a helicopter pilot, whose group will be flying medical evacuation aircraft during the Olympic Games, and the China Lake Flying Club.

He says that his wife, Sharon, who works for the Center's Personnel Department, isn't as fascinated as he by either flying or astronomy, but does enjoy sharing the results of his hobby of photography, particularly the flower pictures that he takes each year during wildflower time.

### Sidewinder still going strong . . .

(Continued from Page 1)

between \$25 and \$30 million. Second, Hampton says team spirit is high because Sidewinder is not a static program. Some members of the team are working on ways to improve the current operational model as a result of information received from users in the Fleet, and others are working on a Product Improvement Program (PIP) that will eventually result in the next generation of the Sidewinder family. The current Sidewinder — AIM-9M — is now in its fourth year of production.

Any missile will have some problems, says Hampton, and China Lake's total involvement with Sidewinder means that all the expertise that the team has developed over the years of Fleet use can be called upon to make fixes when required.

As new technology becomes available, the decision is made whether a new missile should be developed, if the threat justifies such a development, and if a sponsor can be found for the development. The first step in new development is a demonstration of the technology, followed by establishment of a development program plan; from there, as funding is identified, a new Sidewinder goes into full scale development and is eventually assigned its own letter.

Hands-on work on Sidewinder continues, therefore, although, Hampton says, in keeping with technological changes, much of the hands-on work is now aided by the computer.

Members of the Sidewinder team also get the opportunity to see the results of their work when they view flight tests of both new

### Energy conservation efforts helped by photovoltaic systems

While a lot of people and organizations may be talking a lot about solar energy, the Naval Weapons Center and the Navy are actively using it. The Energy Program Office on board has supervised the installation of a number of photovoltaic power systems both at China Lake and elsewhere throughout the Navy.

A photovoltaic power system takes sunlight and converts it directly to direct current (DC) electricity, which can be stored in batteries so that the system can be used at night and on cloudy days.

A photovoltaic power system can be designed to supply power to any direct current or alternating current load, and, since it is powered only by the sun, can be installed anywhere that there is sunlight. Because of this, it supplies quiet, pollution-free, reliable power in hard-to-reach places where other power sources would be difficult to operate and maintain.

The biggest problem with photovoltaic power is its cost. A system large enough to supply power for an average-sized home would cost about \$50,000.

Where electrical equipment is located in remote areas, however, the initial cost of photovoltaic systems is frequently less than the cost of fueling and servicing diesel generators. In such cases, photovoltaic power systems are also as economical as they are effective.

Further information about photovoltaic power systems can be obtained by contacting the Energy Program Office, phone 3411, ext. 225.

### Panel discussion set on subject of child abuse

All parents and interested adults in the community are invited to attend a panel discussion, sponsored by the Child Abuse Prevention Council, that will be held at 7 p.m. next Thursday, April 12, at the Community Room of the Desert Counseling Clinic, 814 N. Norma St., Ridgecrest.

The panel will be conducted by both professionals who deal with children and their parents, and by concerned volunteers. A main portion of the evening program will consist of a question-and-answer session during which members of the audience can raise any queries that they might have.

### NWC employee honored by IEEE chapter for service in Florida

Clark M. Hay, an NWC employee in Code 3108, has recently been named 1984 Engineer-of-the-Year by the Orlando, Fla., Chapter of the Institute of Electrical and Electronics Engineers' (IEEE) Computer Society.

Hay was cited by the IEEE for his outstanding service to the Orlando Section, his long history of service to the IEEE, and his record of professional excellence in the fields of electronic and software engineering.

Currently employed as a software product assurance manager, he has been involved with software configuration, quality assurance, and data management for the F/A-18 aircraft project since he joined the work force at China Lake last November.

A member of IEEE since 1948, Hay has been active in IEEE Sections in San Diego and Orlando, where he has filled the



positions of program chairman and chairman of the Computer Society from 1981 to 1983, and as treasurer of the Orlando Chapter of the IEEE in 1983.

Following his graduation from the University of Arizona in 1951 with a BS degree in electronics engineering, Hay began his professional career at Westinghouse Corporation in Pittsburgh, Pa., where he also pursued graduate studies at the University of Pittsburgh.

In 1956, Hay transferred to General Dynamics where his duties included electronics engineering, system design, program management, test equipment design, and production supervision on

aerospace and military contracts.

In 1977, while still with General Dynamics, Hay became involved with software engineering while developing automatic test equipment software for the Tomahawk cruise missile program and did systems design and analysis for the air-launched version of the Tomahawk.

A member of several other professional societies, aside from the IEEE, Hay is also a member of the National Society of Professional Engineers, the American Society for Quality Control, the Association for Computing Machinery, and the American Institute of Aeronautics. In addition, he spent many years serving as a Scoutmaster and Cubmaster for the Boy Scouts of America and, while living in Florida, held the position of training chairman for the Seminole District of the Central Florida Council. He has remained active with the scouting program by serving as a district commissioner in California.

While in Florida he was a Sunday School teacher and has taught night school classes in math and electronics for the past 12 years.

Aside from his other activities, Hay and his wife, Elizabeth, like to spend their summers traveling. Of their five children only one son, John, is still at home.

### Promotional opportunities

(Continued from Page 2)

General/Mechanical Engineer, Physicist, DP-801/830/1310-2/3, PAC No. 8432810, Code 3261 — This position is located in the Warhead Development Branch, Conventional Weapons Division, Ordnance Systems Department. The incumbent will perform as a development engineer for the full scale development of conventional guided missile warhead projects. Incumbent will be responsible for initiating and executing all phases of project planning, to include but not limited to: fiscal monitoring, documentation and configuration implementation and control, schedules, progress reports, and presentations. Job Relevant Criteria: Experience in full scale engineering development highly desired; ability to plan, schedule, and coordinate technical work; ability to interface with other technical groups and communicate both orally and in writing; working knowledge of conventional ordnance. If filled at the DP-2 level, this position has potential to the DP-3 level, but promotion is not guaranteed.

Announcement No. 31-016, Electronics Technician 856, DT-2/3 PAC No. 8431580, Code 31142 — This position is as a senior technician in the Hardware Development Section which is located in the F-18 Facility Branch, Avionics Facilities Division of the Aircraft Weapons Integration Department. The F-18 Facility Branch provides the simulation and integration test environment and work stations for the development, test, validation, verification and modification of operational flight programs exercised in the tactical computers of the F/A-18 aircraft. The incumbent will perform as the senior technician for WSSF work station and avionics development and maintenance. Duties will include the electronic maintenance of test consoles; the trouble shooting and testing of electromechanical and hardware subsystems; the layout and electronic design of test consoles and related components. Work will be accomplished from blueprints, drawings, sketches, and verbal instructions from the Section Head. Job Relevant Criteria: Ability to work well under pressure and adjust to program changes; knowledge of electronic design techniques and processes; ability to operate test equipment such as a logic analyzer; experience in formalized hardware design, fabrication, documentation and maintenance standards and practices; experience in Fletcher digital design techniques is highly desirable. If the position is filled as a DT-2, promotion potential will be to DT-3, but is not guaranteed. Applications will be accepted from status eligibles.

Announcement No. 31-017, Interdisciplinary, Computer Scientist, Physicist, Electronics Engineer, Mathematician, DP-2/3 1550; 1310; 855; 1520, PAC No. 8431581, Code 31144 — This position is located in the Facility Operations Section, F-18 Facility Branch, Avionics Facilities Division of the Aircraft Weapons Integration Department. The incumbent will perform as a senior software engineer in the development, maintenance and testing of F-18 simulation and DEC system software. The prime function of this position will be to analyze, maintain and improve the existing system and simulation software of the Simulation Work Station. In addition, the incumbent will be required to design, document, code and test application software (e.g. models, I/O drivers) as required for the VAX based Validation Work Station. The incumbent will conduct design reviews and code walkthroughs as part of his/her assignments. Job Relevant Criteria: Knowledge of avionics systems; ability to plan, schedule, coordinate technical work as part of a major project;



**AIR FORCE OFFICER PROMOTED** — Capt. K. A. Dickerson, NWC Commander, is joined by Mrs. Ann Czonska, wife of Steven Czonska, Air Force Liaison Officer, as they pin the silver oak leaf insignia of a lieutenant colonel on the Air Force officer. The promotion ceremony took place during a meeting of department heads and other senior NWC officials on April 2. Lt. Col. Czonska, a veteran of 17 years of active duty in the Air Force (excluding time he spent at the Air Force Academy prior to his graduation in 1967), has been the USAF Liaison Officer at NWC since August 1982.

### Reunion of Aviation Ordnancemen planned

Plans are being made for the ninth annual reunion/convention of the Association of Aviation Ordnancemen, which has been scheduled on the weekend of June 22 to 24 in Las Vegas, Nev.

All active duty or retired Navy and Marine Corps aviation ordnancemen are

invited to attend.

Additional information can be obtained by calling AOC John Vick at NWC ext. 5384, or writing to LCDr. Thomas D. Robins, USN (Ret.), 729 Buddlawn Way, Campbell, Calif., 95008, phone (408) 378-0440.

ability to communicate well both orally and in writing; experience in formalized software engineering development and maintenance standards and practices; experience in Fortran and other HOLS; experience in DEC PDP and VAX operating systems and utilities. If the position is filled as a DP-2, promotion potential will be to a DP-3, but is not guaranteed. Applications will be accepted from status eligibles.

Announcement No. 31-029, Administrative Officer, DA-341-2/3, PAC No. 8331581, Code 3105 — This position is located in the A-7E/AH-1 Program Office of the Aircraft Weapons Integration Department. The incumbent is responsible for the development, coordination, planning, management, cost control, analysis, allocation of resources, execution, forecasting outyear requirements, and financial reporting for the Program Office budgets. The incumbent is also responsible for procurement actions including the development of contract packages and contract administration, project status reporting sponsor liaison, personnel related matters, facility and space requirements studies, safety and security. Job Relevant Criteria: Knowledge of NAVAIR-SYSCOM/NAVWPNCEN budgeting processes and accounting procedures; knowledge of program financial and contract management techniques including C/SCSC and the Work Breakdown Structure for analyzing BCWP and EAC, predicting, analyzing, and fiscal control, knowledge of procurement policies and procedures and experience in contract preparations, monitoring and contractor interfaces; skill at interfacing with Codes 08, 09, and 25; ability to exercise originality, initiative, and judgment in administering Center and project policies and guidelines; ability to perform administrative duties independently; ability to communicate effectively orally and in writing.

Announcement No. 31-031, Interdisciplinary, Computer Systems Analyst, Quality Assurance Specialist, DS-334, 1910 - 2/3, Code 3108 - multiple vacancies — These positions are located in the Weapon Software Office (WSSO), Aircraft Weapons Integration Department. The WSSO provides data management, configuration management and quality assurance support to the computer software development and maintenance projects of the department. Projects supported include the A-4, AV-8, F/A-18, A-6, A-7, AH-1, and Versatile Computing System (VCS). The incumbent will perform Software Product Assurance (SPA) efforts involving configuration management (CM) and quality assurance (QA) tasks on one or more of the projects listed above. The CM/QA specialist is responsible for detailed planning, executing and reporting of SPA tasks on a project. SPA task elements include CM/QA plans and procedures, CM/QA methods and computer-based tools, reviews and audits of in-house/contractor compliance with SPA principles and requirements, software configuration identification, configuration status accounting, change control/processing, functional/physical configuration audits, software quality analysis, plans and procedures for the conduct of quality testing, and product quality certification. The scope of the incumbent's assignment is based on the individual's education and experience. Job Relevant Criteria: Knowledge and experience with DoD, Navy and Center computer software management, acquisition, design, documentation and review policies/procedures; knowledge and experience in structured analysis, specification, design, development, test and documentation of

computer programs (preferably on real-time systems using higher level computing languages); knowledge and experience in software configuration management and/or quality assurance; ability to plan, schedule, budget and carry projects/tasks through the completion; ability to communicate effectively in writing and orally; and ability to direct/work harmoniously and effectively with teams of multi-disciplined military, contractor and civilian personnel.

Announcement No. 36-123, Computer Clerk, GS-355-3/4/5, PD No. 8436007N, Code 3657 — This position is located in the Computer Aided Engineering Services Center of the Technical Data Division, Engineering Department. The incumbent is responsible for supporting the computer facility in the areas of software and graphics database control. This includes: maintaining computerized records, performing searches to locate archived data and restoring desired files to the appropriate disk, insuring integrity of the tape library and all related documentation. Job Relevant Criteria:

(Continued on Page 7)

### Secretarial opportunities

This column is used to announce secretarial positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of organization, its objectives and lines of communication. Depending on grade level, typical secretarial duties are implied by the job relevant criteria indicated below.

Unless otherwise indicated, applicants will be rated against the job relevant criteria indicated below. A supplemental form is required and may be obtained at Room 100 in the Personnel Building. 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; ability to plan, coordinate and supervise arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences.

Announcement No. 00-035, Secretary (Typing), GS-318-5, Code 03 — This is an intermittent position located in the Office of the Laboratory Director and provides support to that office.

Announcement No. 26-019, Secretary (Typing), GS-318-5, PD No. 8126008, Code 264 — This position is located in the Maintenance Utilities Division, Public Works Department. The incumbent provides clerical, typing and other administrative support to the personnel and head of the division. Previous applicants need not reapply.

Announcement No. 33-006, Secretary (Typing), GS-318-5/6, Code 331 — This position is located in the Sensor Systems Division, Fuze and Sensors Department. Secretarial services are provided for the Division Office and other personnel actions, maintenance of personnel and other reports, as well as limited financial and procurement responsibilities. Ability to develop proficiency in the operation of an IBM Displaywriter is required.

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