



NEW PLAY AREA — Members of the Chief Petty Officers' Association, personnel of the Housing Division, and volunteers from the Public Works Department recently constructed a play area for children behind the bleachers at Schoeffel Field. The equipment includes a bench, a swing set, and a slide, which is shown in the above photo. A merry-go-round is also scheduled to be installed in the new play area. The request for this equipment was made so that youngsters at the ballfield will have something to do while their parents are playing softball. Individuals involved in this program have volunteered off-duty time to the Housing Division's Self-Help projects, such as basic clean-up, installation of new equipment, and general improvement efforts.

Rec. Services slates wide range of activities for young people

July is filled with activities being offered for young people by the Recreation Services Department.

A trip to Knott's Berry Farm is planned on Saturday, July 16, for boys and girls 12 to 17 years of age. Departure time is 6 a.m. from the Youth Center and return is scheduled at 9:30 p.m. at the same place. Fee for the trip is \$20, which covers admission and transportation to and from the park.

This trip is limited to 12 youths, and a parent permission slip is required for each young person who signs up for the trip.

Basketball clinics for children in grades 2 through 5 will take place the weeks of July 11-15 and 18-22. The clinics are designed for the boy or girl who wishes to further his or her basketball skill and knowledge.

Grades 2 and 3 will meet from 9 to 11 a.m. Monday through Friday (July 11 to 15) and 4th and 5th graders will meet at the same time the week of July 18 to 22. Cost of the clinics is \$10 per person.

Bowling instruction will begin July 15 and continue for four consecutive Fridays. A class for 8 to 10 year olds is scheduled from 8 to 9:30 a.m., and a session for youths 11 to 17 will follow at 9:30 and continue until 11 a.m.

Fee for the bowling classes, which will take place at Hall Memorial Lanes, is \$10. This charge covers instruction, lane fees, and shoe rental. Instruction will include the approach, delivery, spot bowling, score keeping, and bowling courtesy.

Craft classes for children 8 to 12 years old will begin July 11 and continue until July 20, meeting on Monday and Wednesday from 1 to 2:30 p.m. At each session there will be different projects for students to complete. The fee for these classes is \$10, and the location is the Youth Center.

A live band will be playing for a dance at the Youth Center on Saturday, July 16, from 7 to 10 p.m. Admission price to the dance, which is for youths 12 to 15 years of age, is \$2 per person.

World of Discovery — a program that explores a different place every meeting — will be held on Mondays from 9:45 to 11:15 a.m. for children 5 to 8 years of age. This program begins July 25 and will continue until Aug. 15. Another session, which meets on Tuesdays at the same time, will run from July 26 to Aug. 16. Fee for the class is \$8, and participants will meet at the Youth Center.

A story hour will be offered at the Center Library for children 6 and 7 years old on Monday (starting July 25) from 8:30 to 9:15 a.m. There will also be a story hour for children 4 and 5 years old on Wednesday (starting July 27) at the same time.

In addition to hearing stories read,

children will be treated to finger plays and flannel board activities. Fee for the story hour at the Center Library is \$5. For those 6 and 7 year olds wishing to sign up for both the story hour and the World of Discovery class, an instructor will walk the student to the Discovery class.

Youth tennis clinics will be taught by Michelle Archuleta, who will provide instruction on forehand, backhand, serve, footwork, and tennis rules at the King St. courts beginning July 12. Children between the ages of 8 and 10 will meet Tuesday and Friday for three weeks from 7:45 to 9:15 a.m.

The class for beginners, ages 11 to 17, will meet Monday and Thursday from 7:45 to 9:15 a.m., and there will be a class for intermediate tennis players, 11 through 17 years of age, which will meet immediately following from 9:15 to 10:45 a.m.

Golf lessons are scheduled at the Center's golf course, July 6-22. Participants will be divided into two classes — those 8 to 10 years of age from 1 to 2 p.m., and youths 11 to 17, from 2 to 3 p.m. Fee for the class, which is \$11.50, will cover the basic skills of the game of golf.

An oil painting class for anyone 10 years of age and older will be taught at the Craft Center on Tuesday evenings from 5:45 to 7:45. It is scheduled July 12 to Aug. 2. There is a \$20 fee that covers all materials and instructions.

A karate class, taught by black belt instructor Charmaine Franck, will be offered to youths between the ages of 9 and 15 on Tuesday and Thursday at the gym annex from 11:45 a.m. to 12:30 p.m. The class, which will cost \$15, will concentrate on the basic skills and discipline of karate.

Registration for all of these classes is being handled at the Community Center. For further information, telephone NWC ext. 2010.



Weekend Roundup

An old-fashioned, small-town Fourth of July celebration kicks off with a parade at Independence just up the Owens Valley on Monday. Parade watchers should be all set when the leaders step off smartly at 10 a.m.

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In honor of the Fourth of July, a Bluegrass Festival is scheduled at the Millpond Recreation Area near Bishop tomorrow. A dueling banjo spectacular; a banjo, fiddle, and flat pick guitar contest; and lots of footstomping music are planned from 2 until 11 p.m. A western barbecue is also slated.

Tickets for general admission are \$5 per person, with both children and senior citizens getting a reduced rate of \$3.

Old-fashioned Fourth of July celebration set at fairgrounds

A 45-minute fireworks show at 9 p.m. will climax this year's Fourth of July celebration at the Desert Empire Fairgrounds in Ridgecrest. All Indian Wells Valley residents and their guests are invited to attend.

The day will begin early with a 5 kilometer Fun Run (3.1 miles) at 7:30 a.m. Registration for the race, which begins and ends at the fairgrounds, will start at 7 o'clock.

The entry fee of \$3 per runner will be donated to Rene Barglowski and Patty McChesney to help defray the cost of their trip in August to New Zealand, where they will participate in two 10-kilometer races.

A swap meet is scheduled from 8 a.m. to 2 p.m., when the NWC Sea Cadets will conduct a flag-raising ceremony. It will be followed by contests and games throughout the remainder of the day.

Outdoor activities will include a watermelon-eating contest, a dunk tank, a root-beer chug-a-lug, and a pie-eating contest.

Anyone wishing to escape the heat can play bingo in the cool, air-conditioned exhibit building.

Later in the afternoon, two challenging events are scheduled — a greased pole climbing contest and a tug-of-war.

Food and beverages will be sold by local clubs and organizations throughout the day.

Donations are still needed to help pay for the fireworks display and may be placed in any of the firecracker-shaped canisters that have been set up at various businesses around the community.

This year's Fourth of July celebration is sponsored by the IWV Council of Organizations with the help of the Ridgecrest Chamber of Commerce and the Desert Empire Fair board of directors. These officials remind everyone not to bring fireworks to the fairgrounds, because individual use of fireworks is not allowed.

Tickets on sale for party slated July 15 for all Centerites

All Center employees, family members and friends are invited to take part in the second annual NWC Summer Challenge, which will be held at the Commissioned Officers' Mess on Friday, July 15, from 7 p.m. until midnight.

Junior professional employees and summer hires are especially invited to attend.

Evening activities include dancing, water polo and volleyball. Beer, soft drinks, and assorted munchies will be included for the ticket price of \$3 per person (if purchased in advance) and \$4 per person at the door on the evening of the party.

Tickets may be purchased in advance by contacting Jeri Lynn Horacek, NWC ext. 2086, and Glenn Craig, NWC ext. 2576, in Michelson Laboratory; Daryl Moore, NWC ext. 2951, Thompson Laboratory; Carl Kumano, NWC ext. 4336, SNORT; Steve Schlagen, NWC ext. 7368, CLPL (after July 4); Lois Takemoto, NWC ext. 5111, at Armitage Airfield; and Terry Dougherty, NWC ext. 3571, at Echo Range.

MOVIES

REGULAR STARTING TIME 7:00 P.M.

FRIDAY "KISS ME GOODBYE" JULY 1
Starring Sally Fields and James Caan (Comedy, rated PG, 111 min.)

SATURDAY, SUNDAY "STING II" JULY 2, 3
Starring Jackie Gleason and Mac Davis (Comedy, rated PG, 99 min.)

TUESDAY Matinee, 2 p.m. JULY 5
"BAMBI"
(Animated Fantasy, rated G, 99 min.)

WEDNESDAY "ENDANGERED SPECIES" JULY 6
Starring Robert Ulrich and Jo Beth Williams (Suspense, rated R, 97 min.)

THURSDAY Matinee, 2 p.m. JULY 7
"BATTLE BEYOND THE STARS"

FRIDAY "JIMMY THE KID" JULY 8
Starring Gary Coleman and Paul LeMat (Comedy/Drama, rated PG, 89 min.)

Extra care needed to prevent fires in dry brush, grass

No fireworks of any sort will be permitted on public lands south of Barstow because of extreme fire hazards, according to personnel of the Bureau of Land Management.

The heavy winter rains encouraged growth of grass that has now dried and needs only a slight spark to flame.

In addition, drivers of off-road and recreational vehicles who have modified their vehicles in such a way that spark arresters are no longer functional are also reminded that they can unwittingly cause fires by driving across areas covered with dry grass or brush.



GOOD WORK RECOGNIZED — Jo Burdick (Mrs. David L. Burdick), who lives at 903 Withington Rd., receives the award for the yard of the month for the Capehart B area, from William Hatfield, head of the Housing Division. Other winners for the month of July were AE2 Tony L. Rogers, of 1914 Halsey Ave., for the "hill" area, and Jan C. Schulz, of 702 Entwistle St., for the Old Duplex area.

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NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA

July 1, 1983

Vol. XXXVIII, No. 28



HAPPY OCCASION — Capt. K. A. Dickerson, NWC Commander, congratulates B. W. Hays, Technical Director, after presenting him with the Navy Meritorious Civilian Service Award on behalf of Capt. J. J. Lahr, the former Commander.

Technical Director honored Navy Meritorious Civilian Service Award given to Hays

The outstanding contributions that Burrell W. Hays, NWC Technical Director, has made to the Center, the Navy, and the defense of the United States earned him the Navy Meritorious Civilian Service Award.

This award is the highest honorary award in the Navy Civilian Service that may be granted by heads of activities, and the third highest Navy honorary award. It consists of a certificate, medal, and lapel bar.

The award was signed by Capt. J. J. Lahr on the day before his retirement last week, and was presented to Hays on June 22 by Capt. K. A. Dickerson, NWC's new Commander, during a special Commander's meeting held in the Management Center.

The letter from Capt. Lahr accompanying the award read, in part, "I present this

Tech Director Award presented

Chemist cited for research work on explosives

The NWC Technical Director's Award, based on contributions made by Dr. Rodney L. Willer in the field of energetic materials synthesis and characterization, was presented recently by B. W. Hays during a Commander's meeting held in the Management Center of Michelson Laboratory.

Dr. Willer, who is a research chemist in the Energetic Materials Branch of Research Department's Chemistry Division, received an engraved paperweight, a letter of commendation, and a stipend that accompanies this special form of a Superior Achievement Award.

He was commended for the success he has achieved in the synthesis of new nitramine explosive and propellant materials.

According to Dr. E. B. Royce, who nominated Dr. Willer for the Technical Director's Award, Dr. Willer has become (in the three years that he has been employed by NWC) one of the Navy's leading researchers in the field of energetic materials synthesis.

The Technical Director Award winner has concentrated his efforts in the area of new nitramine explosive and propellant ingredients. It is these ingredients that currently provide the explosive wall for many of the solid propellants now in use, as well as in the warhead of the Sidewinder air-

to-air missile.

"This area of research is recognized by the explosive and propellant community as the focal point in our efforts to improve the performance of current weapons systems, and to provide the new explosive and propellant materials that will be required in the future," Dr. Royce wrote regarding the aim of Dr. Willer's work, which is to develop compounds that are more powerful than those, such as RDX and HMX, that are currently in use in high explosives and warheads.

Dr. Willer's synthesis efforts reportedly have led to the preparation of many new nitramine explosives, including one that is a promising candidate for minimum smoke propellant applications, and another that (it has been calculated) will exceed the explosive properties of HMX, which is acknowledged to be the most potent explosive of its type in military use.

"The family of new explosive and propellant ingredients developed by Dr. Willer have led to new insights into the structure and reactivity relationships governing these materials, and are providing valuable leadership in the pursuit of more energetic and safe explosive and propellant materials," Dr. Royce also wrote in recommending Dr. Willer for the Technical Director's Award.

Personnel from China Lake study damage caused by recent Coalinga earthquake

Within 48 hours of the M6.5 earthquake at Coalinga on May 2, four Naval Weapons Center personnel were on their way to that stricken community to observe the damage to various types of structures and to help identify earthquake fault displacement.

Each of the four — Dr. Glenn Roquemore, a geologist, and Ken Pringle, a physicist, in the Engineering Sciences Division of the Research Department; Hal Lenderman, an engineer in the Civil/Structural Branch of the Engineering Division in the Public Works Department; and Gene Edwards, a photographer in the Range Department — added some specialized expertise to the group.

While the fault displacement has not yet been ascertained, they brought back a great deal of information about the effect of the quake on structures even though they only studied external damages.

PERTINENT TO LOCAL AREA

Observations of earthquake effects at Coalinga are especially pertinent to the China Lake/Ridgecrest area because the two share many characteristics: both are located in an alluvium-filled basin, both show a full array of building construction practices, and the epicenter of the Coalinga quake was about six miles from town, about the same distance from a populated area that the Indian Wells Valley's current seismicity has been located.

The Coalinga quake was listed as having a magnitude of 6.3 to 6.5; the U. S. Geological Survey wrote a "letter of unusual circumstances" last Oct. 14 stating that a greater likelihood of a quake of magnitude 6.0 exists in the IWV now than it did two years ago.

In the event of an M6 quake, Lenderman

thinks the structural integrity of most wood frame houses should fare well, because the structure of wood frame houses at Coalinga showed relatively little damage unless they slipped from their foundations.

Many of the older homes in Coalinga had been moved to town from the oilfields and been placed on inadequately braced foundations. Others were not adequately joined to their concrete foundations. Center housing does not appear to have that problem.

ROOT OF PROBLEM

Much of the damage that occurred to homes in Coalinga resulted from poor adherence to building construction practices and pre-modern building code construction. Many were owner-built structures where the owners were following building codes that have since been updated reflecting new seismic design criteria. Codes are designed to prevent drastic failure and serious personal injury, although even in a code-built structure, damage and injury can occur in an M6 quake.

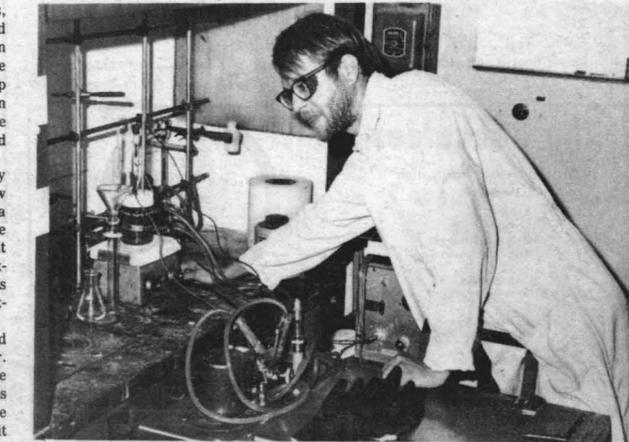
While all brick and masonry structures showed cracks, usually at edges of doors or windows, the ones that failed were those that were not adequately grouted and reinforced. Older business structures — stores and markets — built of brick mostly collapsed.

Brick veneers, brick walls and chimneys (new and old) also suffered a great deal of damage; the degree in which they were affected depended somewhat on whether they were parallel or perpendicular to the quake motion. Porches and carports nearly universally collapsed.

All of the mobile homes in one park were damaged because they fell off their foundations. Dropping or sliding a whole building two or more feet can also cause severe interior damage and potential injury to inhabitants. Apparently no mobile home owners in Coalinga had the new earthquake resistant foundations for mobile homes, possibly because they cost about \$2,500 for a

(Continued on Page 3)

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LAB EXPERIMENT CHECKED — Dr. Rodney L. Willer, a recent recipient of the NWC Technical Director's Award, makes a spot check of work on the small-scale synthesis of an energetic material. He was commended for the success of his efforts on the synthesis of new nitramine explosive and propellant materials. — Photo by PHI Benita Tetreault



When the thirteen colonies declared their independence in 1776, Americans were already fighting and dying to secure our freedom. There was a celebration of the event. Some bells were rung. Bands played. People thronged in the streets of Philadelphia. But the big question in the minds of everyone, including the signers of the Declaration, was whether we could make it as a free people and an independent nation. We did, but it wasn't easy. Preserving our freedom these past 207 years has not been easy, either. It has taken determination, teamwork, wisdom, and sacrifice. And it always will. For that reason, I, as your Commander-in-Chief, join with Americans everywhere in saluting the men and women of our Armed Forces on this Independence Day. You are the ultimate protectors of what we hold so dear. It is your duty there — beyond the picnics, the fireworks, and the patriotic speeches marking this special day — who stand between a dynamic, thriving nation and the forces of oppression, subjugation, and totalitarianism. To each of you and to your families and loved ones, Nancy and I extend a warm and grateful happy Fourth of July

Ronald Reagan
President

Forestry officials offer safety tips on holiday weekend in mts.

Sequoia National Forest officials have some suggestions that will ensure that those who head to the mountains for a happy Fourth of July weekend will have a weekend that is also safe. Because of fire danger, fireworks are prohibited on all National Forest lands. Due to the heavy snow this last winter, all the rivers are running swift, cold and deep. The only safe way to cross the Kings, Tule and Kern Rivers is by a bridge. Permits are required for rafting on the Kern River. Boating or tubing on all three rivers is very dangerous now. Backpackers who need to cross streams intersecting their trails should remove their backpacks first. Losing a backpack is far better than losing a life in case the back-

packer slips while crossing the stream. Fire danger is already acute. While smoking is permitted in vehicles and cleared areas, it is forbidden on trails. Campfire permits are required to build any campfires, and may be picked up from a Forest Service Office. A campfire should be built only in a cleared area. Water for drinking must be boiled for at least 15 minutes to ensure freedom from parasites. Paved mountain roads are usually two-lane and curved, and speeding should be avoided. Dirt roads at the higher elevations currently are both muddy and extremely rough because of the heavy winter snows. Drivers need to exercise extreme care so that their vehicles will not become stuck.

Rec. facilities open on holiday

The following hours of operation will be observed by business and recreational facilities at the Naval Weapons Center during the July 4th holiday on Monday:

Bowling Alley and Snack Bar	11 a.m. to 11 p.m.
Camping Issue (at Gym)	11 a.m. to 6:30 p.m.
Gymnasium	11 a.m. to 6:30 p.m.
Golf Course	7 a.m. to 8:30 p.m.
Golf Course Snack Bar	6:30 a.m. to 5:30 p.m.
Ice Cream Parlor	Noon to 5 p.m.
Navy Exchange Mini-Mart	10 a.m. to 3 p.m.
Swimming Pools:	
COM	11:30 a.m. to 6:30 p.m.
CPO	11 a.m. to 5 p.m.
EM	Noon to 1 p.m.
Indoor Pool - Lap Swim	Noon to 1 p.m.
Open Swim	1 p.m. to 6 p.m.

Promotional opportunities

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

Announcement No. 26-375, Production Facilitating Clerk, GS-303 or 5, PD No. 8126005, Code 2611 — This position is located in the Maintenance Control Division, Public Works Department. The incumbent is responsible for reception, maintenance and control of all work requests generated on the Center. The incumbent is also responsible for initial data entry and maintenance of work request information in the on-line Public Works computer system. Maintains work request master file, assists in the training of employees in the use of a remote terminal and develops special reports for customers. **Job Relevant Criteria:** Knowledge of the Public Works maintenance function; knowledge of the Public Works work request processing system; ability to deal effectively with others; ability to operate data processing equipment sufficient to perform data entry.

Announcement No. 26-376, Planner and Estimator (Air Conditioning Equipment Mechanic), WD-5366-8, JD No. 889N, Code 2613 — This position is located in the Continuous Inspection Branch of the Maintenance Control Division, Public Works Department. Incumbent will provide detailed manpower/manpower estimates in support of facility maintenance at the Center. This includes job write-up alteration, repair and maintenance for refrigeration and air conditioning systems, evaporative cooling systems, steam and compressed air systems, and allied equipment. **Qualifying Experience:** Journeyman level work in the following trade areas will serve as the basis for qualification: plumber, pipefitter, air conditioning equipment mechanic or boiler plant equipment mechanic. **Job Relevant Criteria:** Ability to facilitate production; technical practices; ability to interpret instructions, specifications, etc.; knowledge of pertinent materials; knowledge of pertinent tools and equipment. **Note:** Supplemental form, along with an updated SF-171, is required. Forms are available in Rm. 100 of the Personnel Building.

Announcement No. 00-025, Secretary (Typing), GS-318-4/5, PD No. 8309512N, Code 02A21 — This position is located in the Planning and Office of Support Director. The incumbent will report to the Planning Manager and will also provide clerical, typing and administrative support to the Space Resources Manager. This position has promotional potential to GS-6; however, promotion is not guaranteed. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Supplemental Qualifications Statement required along with Form 171. Supplemental available in the Personnel Bldg. Rm. 100.

Announcement No. 3442, Quality Assurance Specialist DS-1910-3, PAC No. 8334648E02, Code 3481 — This position is located in the Soldering Technology Branch, Product Assurance Division, Engineering Department. The incumbent of this position will apply and implement quality assurance control techniques and principles to ensure that supplies and services delivered to the government meet quality functions throughout the product life cycle. **Job Relevant Criteria:** Knowledge of procedures, standards and instructions applicable to Government Soldering Programs; ability to think through a problem and to analyze an approach to its solution; ability to communicate effectively both orally and in writing; ability to perform contractor quality assurance surveys and audits, report the findings and determine any corrective action to be taken. Status eligible applicants may apply.

Announcement No. 39-323, Supervisory Electronics

Reassignment Opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotional Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applicants must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

Announcement No. 3443, Supervisory General Engineer DP-801-4, PAC No. 8036532, Code 348 — This position is that of head, Product Assurance Division, Engineering Department. The mission of the division is to establish policy and assign responsibilities to assure Product Assurance disciplines of Soldering Technology, Quality Assurance, Metrology, Reliability and System Safety are effectively applied to weapon systems and associated equipment. The incumbent has technical and administrative responsibilities for staffing, equipment, training, developing, supervising, and managing the managerial resources necessary to perform the division mission. **Job Relevant Criteria:** Ability to function as manager of a multi-disciplined work force; knowledge of Product Assurance practices and principles; experience in interfacing with higher levels of DoD and NWC management; ability to administer management policies and guidelines and make recommendations; ability to communicate effectively, both orally and in writing; willingness to support Federal EEO goals and policies. To apply for this position contact Bill Arnold at extension 2604.

Engineer/Physicist, DP-855/1310-3/4, PAC No. 8339562, Code 3952 — This position is that of branch head in the RF Sensors Branch. The branch consists of approximately 15 engineers, physicists and technicians who perform analysis, design, development and contract technical monitoring related to radar, guided missile seekers, airborne target localization systems and radar target identification. The primary duties of the branch head include: administrative and personnel management, technical monitoring of branch projects, and independent technical investigations. **Job Relevant Criteria:** Experience in either design, development, analysis or applications of radar and/or computer systems; ability to direct a diverse professional work group; ability to work independently on systems concepts and perform research leading to systems recommendations; must support the EEO program.

Announcement No. 39-322, Electronics Technician, DT-854-3, PAC No. 8335541, Code 3923 — This position is located in the Electronic Systems Branch, Weapons Development Division, Weapons Department. The incumbent will perform as lead project technician on an autopilot development program for a surface launched missile. He/she will direct and coordinate the efforts of other technicians in building and testing all project-related electronics hardware. In addition he/she will be responsible for directing the timely procurement of all required system hardware and will coordinate the development of a level II system data package. **Job Relevant Criteria:** Ability to deal effectively with personnel of diverse backgrounds; ability to communicate well orally and in writing; working knowledge of analog and digital control systems; ability to test and troubleshoot using standard laboratory test equipment; knowledge of Defense procurement documentation requirements. Previous applicants need not reapply.

Announcement No. 08-028, Accounting Technician, GS-525-5, PD No. 8208035N, Code 08612 — This position is located in the General Accounting Branch, Accounting and Disbursing Division, Office of Finance and Management. The incumbent analyzes charges to determine the necessity for manual adjustments to the ADP ABS system, updates the Fund Control Ledger, verifies and corrects monthly Status of Funds Reports, maintains appropriation accounting records, prepares special reports as required, bills Navy sponsored activities, maintains Special Deposit records. **Job Relevant Criteria:** General knowledge of NIF and appropriation accounting; ability to work effectively with figures; ability to work effectively with people. Promotion potential to GS-6.

Announcement No. 24-069, Lead Firefighter, GS-981-4, PD No. 8324010N, Code 242 — This position is located in the Fire Division of the Safety and Security Department. Incumbent is crew chief of a major piece of motorized fire fighting apparatus and its crew. Duties include answering fire alarms, instructing crew in the operation of fire equipment and all phases of fire fighting of fires in the absence of higher authority. **Job Relevant Criteria:** Knowledge of fire prevention practices and ability to supervise and conduct inspections and identify fire hazards; ability to communicate with others effectively, both orally and in writing, in working out solutions to problems or questions relating to the work; potential to motivate, train and work effectively with subordinates who have a variety of backgrounds and training; ability to plan, own work and carry out assignments effectively; demonstrated potential ability to plan initial attack including rescue and the efficient control and extinguishment of fires; knowledge of locations (streets, water distribution, alarm/detection systems, building contents/layouts, etc.). This announcement will be used to establish the promotion register for Lead Firefighter, GS-981-4, which will become effective on July 1, 1983, and will remain in effect through February 1984.

Announcement No. 35-174, Secretary (Typing), GS-318-4, Code 3555 — This position is located in the Operations Branch, EWTE Division, Electronic Warfare Department. The work schedule is first 40 hours (Monday through Thursday, 0630-1630) and the work is located in the Randsburg Wash Test Area. Navy bus transportation is available to and from the work site. The incumbent performs normal secretarial duties for the branch. Such duties include typing of letters, memoranda, travel orders, travel itineraries, purchase orders, etc.; receiving and directing visitors and incoming telephone calls; preparation of time cards; and arranging travel. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to review outgoing correspondence; ability to review, control, screen and distribute incoming mail; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and file management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize work.

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Sunday Worship Service	1000
Sunday School	0830
Sunday Masses	0700 & 0830
Daily Mass (except Sunday)	1135
Friday in the East Wing	1930
UNITARIAN	
Sunday, Annex 95, as announced	1930

Commander's Cup...

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In the finale between NWC Blue and VX-5, the airfield team outscored the Vampires 10-5 in the first three innings of play, but then had its work cut out in order to pull out a win.

VX-5 rallied in the top of the fourth to cut the NWC Blue team's lead to 10-9, but the Blues had just enough to win as they scored one run each during their turn at bat in the fourth and fifth innings.

For their part, the Vampires could muster only one run each in the final two innings of play and ended up a run short of the NWC Blue total.

John Searles and Terry Miller, both of NWC Blue, had the only extra base hits in this game — one double each. Searles batted 1.000 — getting a pair of singles to go with a 2-base blow, while Miller had a single as well as a double.

Two singles each by Kent Harris and Jeff Jenkins were tops for VX-5 in the game with NWC Blue.



BASE RUNNER SAFE — Chuck Waugh, of NWC Blue, dives for the bag and is safe at third base in this bit of action during the NWC Blue vs. VX-5 Commander's Cup slow pitch softball game. Matt Van Valkenburgh, the VX-5 catcher, dropped the ball after tagging Waugh. At left is Charles Kwiatkowski, the Vampires' third baseman.

Intramural Softball League results reported...

(Continued from Page 6)

Pitch Softball League. CSC ran its win streak to 12 straight last week by defeating the Beer Nuts on offense, while Cheryl Madrid contributed a 3-base hit in the losing effort by Ridgecrest Electric.

Two home runs by Val Butler paced the Ridgecrest Electric team to its lopsided 13-1 win over Saxwell's Investments. In addition, Cheryl Madrid had a triple and a double for Ridgecrest Electric, and Teresa Daugherty contributed a two-bagger.

Scores of other Women's Slow Pitch League games played last week were Style 14, Saxwell's Investments 10; High Desert Home Center 16, High Desert Imports 5; NWC Sidewinders 20, Graziano's-El Dorado 8; and E. J. Ernst Construction 16, Beer Nuts 8.

Style came on strong after trailing Saxwell's Investments 7-0 and pulled out a 14-10 victory. Ten runs in the third and four more in the fourth inning put Style in the winner's column. Two home runs by Rhonda Rudd were instrumental in this second win of the

seventh to edge Ridgecrest Electric 12-11. Tracy hit a home run and a double to lead the Beer Nuts on offense, while Cheryl Madrid contributed a 3-base hit in the losing effort by Ridgecrest Electric.

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season by Style. Four home runs led the way to the 16-5 win by High Desert Home Center over High Desert Imports. The victors had a 12-0 lead before High Desert Imports broke the scoring ice with three runs in the last half of the third inning.

An 11-run first inning by the NWC Sidewinders paved the way for a 20-8 win over Graziano's-El Dorado. Long ball hitters in this tilt were Williamson of the Sidewinders and Bev Parsons, for Graziano's-El Dorado, who both had 3-base hits.

The E. J. Ernst Construction team made it into the winners' circle for the first time this season with a 16-8 win last week over the Beer Nuts. The Ernst squad started out in business-like fashion by scoring 9 runs in its first time at bat, and followed this up with 4 runs in the second and 3 more in the third inning of this 5-inning game. Home run hitters for the Beer Nuts were Crook (2) and Harris (1).

Promotional opportunities

(Continued from Page 2)

workload for clerical staff; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. A Supplemental Qualification Statement is required and may be picked up at the reception desk of the Personnel Building, Rm. 100.

Announcement No. 35-173, Supervisory/Interdisciplinary Electronics Engineer/Physicist/Operations Research Analyst/Mathematician/Computer Scientist, DP-855/1310-3/4/5/6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100 — This position is that of head of the Instrumentation Engineering Branch in the EWTE Division, Electronic Warfare Department. Personnel of the EWTE Division are physically located in the Randsburg Wash Test Area and work a first forty schedule, Monday through Thursday, 0630-1630. Bus transportation is available to and from the work site. The incumbent is responsible for providing planning for, and implementation of, range instrumentation hardware and system software development. This includes such items as micro, mini, and large scale computers; audio, video, and fiber optic data communications systems. Maintenance and operation of the EWTE Operations Control Center is also provided. **Job Relevant Criteria:** Ability to supervise and provide leadership to a multi-disciplined group of electronics engineers, technicians, mathematicians and computer scientists; ability to plan, schedule, and coordinate technical work as a part of a major project; ability to communicate well, both orally and in writing; willingness to support NWC EEO policies and goals.

Announcement No. 33-021, Engineering Technician, DT-802-2/3, PAC No. 8335555, Code 3353 — This position is located in the Exploratory Development Branch of the electromechanical Division, Fuse and Sensors Department. The incumbent will be responsible for the operation and maintenance of the equipment used in the Operability Laboratory. The incumbent will advise on plans and procedures for environmental and field tests of experimental and development models of electromechanical ordnance devices. Also, the incumbent will design test setups and special apparatus necessary for performing these tests as required. **Job Relevant Criteria:** Knowledge of instrumentation; knowledge of explosive ordnance devices; knowledge of electromechanical devices. Ability to interface with people on various levels.

Announcement No. 33-019, Interdisciplinary Supervisory Aerospace/General/Mechanical/Structural Engineering, Physicist, DP-861/801/830/810/1310-3, Code 3383 — This position is head of the Systems Survivability Branch, Survivability and Lethality Division, Fuse and Sensors Department. The incumbent will be involved in and will supervise the design, development, analysis, test and documentation of aircraft and missile technology to enhance air combat survivability. Included will be technology that reduces the detectable signatures of aircraft of missiles as well as technology that limits or prevents damage to a hit by a threat weapons. Responsibilities include travel to represent branch and programs. **Job Relevant Criteria:** Ability to deal effectively with personnel of diverse technical backgrounds; ability to

interface with sponsors, personnel from other laboratories, and contractors; knowledge of aircraft and missile air vehicle technologies; ability to function as a manager of a multi-disciplined work force; ability to perceive requirements and turn them into productive requirements; fiscal management capability; interest in and potential to manage people problems (EEO).

Announcement No. 33-020, Electronics Engineer, DP-855-2/3 or Physicist, DP-1310-2/3, PAC No. 8335558, Code 3313 — This position is located in the Radio Frequency Branch, Sensor Systems Division, Fuse and Sensors Department. The branch is responsible for research and development of electromagnetic (EM) modeling of RF scattering and radiating systems. The branch also operates an antenna measurement facility. The incumbent will serve as an electronics engineer/physicist, perform theoretical studies and do design and development of antennas and RF subsystems. Microstrip antenna and component development is emphasized. **Job Relevant Criteria:** Knowledge of electromagnetic fundamentals and techniques for RF and antenna analysis. Ability to develop and use computer solutions to complex RF problems. Understanding of measurement methods and techniques used for RF components and antennas.

Announcement No. 3461, Clerk/Typist, GS-322-3/4, Code 3464 — This position is located in the Sidewinder Program Office, Engineering Department. The incumbent performs clerical duties for the Sidewinder Program Staff. Duties include typing of letters, memoranda, purchase orders, etc.; receiving and directing visitors and incoming telephone calls; preparation of times cards; and arranging travel. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to review, control, screen and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and file management; ability to plan and coordinate travel arrangements. Status eligible applicants may apply.

Announcement No. C-4-13, Interdisciplinary Aerospace/Mechanical Engineering, DP-861/830-2/3, PAC No. 8345452, Code 4422 — This position is located in the AFTR Support Branch, Telemetry/Test Engineering Division, Aeronautics Department. Incumbent provides engineering expertise in support of the department's RTD&E mission. Work includes design of special flight test vehicles, design of various mechanical fixtures, analyses of test results, preparation of technical reports and liaison with on and off Center sponsors. **Job Relevant Criteria:** Knowledge of systems analyses techniques; mechanical strength determinations; basic aerodynamics, data analysis techniques; and technical writing.

Announcement No. C-41-02, Secretary (Typing) GS-318-3, PD No. 8361001N, Code 413 — Promotion potential to GS-4. This position is located in the Aircraft Department, Engineering Support Division. The employee provides clerical support for the division including a division head and assistant and three branch heads. Duties include but are not limited to: types and edit handwritten drafts and provides proper distribution; initiates correspondence for

Eagles Lodge takes over first place in Men's Dual League

Freddie's Barmaster Service kegglers had a bad night during last Monday night's Men's Dual (scratch) League bowling at Hall Memorial Lanes, losing all five of its games to the Killen and Manning CPA team and slipping from first to fourth spot in the standings.

Edging past them were the Eagles Lodge, Elks Lodge, and Turner's Real Estate teams, which now hold the top three slots, respectively.

Other results include Eagles over National Rental Car, 3-2; Elks over Modern Trophy, 4-1; Turner's Real Estate over Joseph's Italian Gardens, 3.5-1.5; and the Hustlers skunked Collins Chevron 5-0.

The Hustlers were really hot, with a high team game of 445 and a high team series of 1945 to their credit as well.

Two bowlers topped the 1000 mark for five games last Monday. They were Ron Williams (1021) and Mike Dowd (1012).

Those with single game scores over 220 were Williams (247, 236), Kim Duckett (246), Dowd (236), Pat Nally (232), and Floyd Housington (222).

Scorpions entered in Bishop soccer tourney

Two teams from the Ridgecrest Scorpions Soccer Club will compete tomorrow and Sunday in a soccer tournament for 12- to 14-year-old players that will be held in Bishop.

Major attraction of this two-day event will be a youth soccer team from Mexico and the Westend Sports Club team from West Berlin, Germany.

Local youths taking part in this tourney will play at least three matches, Karl Kauffman, coach of the Ridgecrest Scorpions, reports.

The Scorpions will enter a team of 13- and 14-year-old players, and another squad composed of 12- and 13-year-olds.

All games will be played at the Elm Street School in Bishop.

The Rocketeer

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<p>Captain K.A. Dickerson NWC Commander</p> <p>B. W. Hays Technical Director</p> <p>Dennis Kline Public Affairs Officer</p> <p>Don R. Yockey Editor</p> <p>Mickey Strang Associate Editor</p> <p>PHI Benita Telreud PHAN Rebecca Hill PHAN Regg Hogan Staff Photographers</p>	<p>News Stories deadline Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m.</p> <p>The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P-35 revised May 1979. Office at Nimitz and Lauritsen, Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in The Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003. Phones 3354,3355</p>
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VX-5 defeats Bad News Bears, NWC O's in Military Division

Because of the Commander's Cup competition in softball, which was staged last week, just two games were played in the Military Division of the Intramural Softball League.

In these two tilts, the VX-5 squad improved upon its record for the season by outscoring the Bad News Bears 15-9 and also knocking off NWC O's by a final score of 15-10.

During a close contest with the Bad News Bears, VX-5 led 10-8 after six innings of play and then went on a 5-run scoring binge in the top of the seventh. The Bears couldn't keep up the pace as they managed to score just once in their final turn at bat and ended up losing by a final margin of 15-9.

Rod Poole, of VX-5, was the game's leading hitter with a triple, two doubles and two singles in five times at bat. Another long ball hitter for the Vampires was Jose Ojeda, who had a triple and a double to go along with a single in four trips to the plate.

Bob Pulcare, Roger Heiser and Dale Reimers each hit doubles for the Bad News Bears.

Going against the NWC O's, the VX-5 Vampires piled up a 14-1 lead in 3½ innings of play, and the attempt by the officer's team to play catch-up fell short after that.

Big inning for the NWC O's was the fifth, when they tallied 7 runs to make it a 14-8 ballgame. The officers scored just 2 more runs, however, while the Vampires added another for insurance to wrap up a 15-10 win.

John Ball, who was four-for-four (all singles), led the 18-hit attack of VX-5. The only extra-base hit in the game was a double by Ken Peters of the NWC O's.

China Lakers win MDISL tennis tourney doubles competition

In Mojave Desert Inter-Service League (MDISL) tennis play held last weekend at Norton Air Force Base in San Bernardino, the NWC doubles team of Bruce Cottrell and Bernie Wasserman won the men's doubles event.

In the semi-finals of the doubles competition, the China Lakers defeated their counterparts from March Air Force Base 7-5, 6-4, and then knocked off Nellis AFB in the championship round by scores of 7-6, 6-0.

The five points picked up by the NWC team for winning the doubles left the locals in a three-way tie for the MDISL tennis title with the teams from March and Norton Air Force Base.

The tie was broken by counting the total number of sets won by the top three teams in both doubles and singles competition. When this was done, the China Lakers dropped back to third place in the MDISL competition, which was won by March AFB. Norton AFB finished in second place.

Wasserman also entered the singles play in the MDISL tourney, as did Steve Czonstka and Dave Feldman, who were the other two members of the NWC tennis team.

Wasserman won three singles matches before withdrawing to conserve his energy for the doubles, while Czonstka and Feldman lost their first matches in the singles, won the second, and were eliminated in the third round.

In addition to the teams already mentioned that were entered in this double elimination event, others were the Marine Corps Logistics Center at Barstow, the Army's National Training Center at Fort Irwin, the Los Angeles Air Force Station, and Edwards and George Air Force Bases.

Ridgecrest Gang snags second in Fast Pitch Div.

The Ridgecrest Gang, which is drawing a steady bead on first place in the Fast Pitch Division of the NWC/Ridgecrest Intramural Softball League, moved into the division's runner-up spot by winning two games last week.

In action against the two teams that are tied for last place in the Fast Pitch Division, the Gang defeated the Junk Food Junkies 13-5 and outscored the Royals 11-4.

Two home runs by Miguel and one by Phillips highlighted the Ridgecrest Gang's victory over the Junkies, who had one home run hitter in the person of Haleman. It was a 13-2 ball game until the last of the seventh, when the Junkies picked up their final 3 runs

in this contest. The Ridgecrest Gang outthit the opposition 16-4 in romping to a 11-4 win over the Royals. Phillips, who contributed a triple and a double to the Gang's 16-hit barrage, had the only extra-base hit in this tilt.

In two other fast pitch games, the division-leading JB's squad pounded out a 13-3 win over the Cards, and the Entertainers knocked off the Junk Food Junkies 10-5.

After giving up 3 runs in the first inning, JB's held the Cards scoreless for the remainder of the contest. Chieze, who hit a double and a single in four times at bat for JB's, had the only extra-base hit in this

game. The Entertainers nudged ahead of the Junkies 6-5 in the fourth inning of this game, and then wrapped up the win by scoring 2 runs each in the fifth and sixth innings of play, while shutting out the Junkies. Stone, who had three singles for the Entertainers, was the game's leading hitter.

Two more wins last week by the NWC Varsity gave the Navy team a comfortable 11-1 lead in the American Division of the Slow Pitch Softball League. The NWC Varsity clubbed the Sport Shack and CSC by scores of 18-3 and 15-4, respectively.

With a 14-0 lead after two innings of play, the Navy team coasted to an easy win over the Sport Shack squad. Two doubles by Hunter and one each by Searles and Waugh were the game's only extra-base hits. All three play on the NWC team.

Breezing along with an 8-2 lead over CSC, the Navy team removed any doubt about the ultimate outcome of the contest by scoring 7 runs in the fifth inning. Jim Hamilton was the game's leading hitter with two home runs for the Navy squad.

JB's retained a solid hold on first place in the National Division of the Slow Pitch Division with a 9-5 win over the Outlaws. Trailing 4-1, JB's scored 7 runs in the third inning and added 1 more run in the seventh. Rick Noland's 2-base hit for JB's was the only extra-base blow in this game.

In a battle of second place teams, La Fiesta-Sandwiches & Things, of the American Division, defeated Ken's Liquor, of the National Division, 10-4. Halstrom led the La Fiesta squad with a home run, a double and a single in three times at bat.

Scores of other games in the Men's Slow Pitch Softball League were CMCI 15, Partners 1; CSC 7, Old Timers 1; Sport Shack 20, Homestead 14; and Playboys 19, Partners 8.

CMCI experienced no difficulty defeating the Partners, who were held scoreless after tallying a single run in the first inning. A triple and two singles by Cane led the CMCI team's 19-hit attack.

One run in the first inning also was all of the scoring for the Old Timers in their 7-1 loss to CSC. Dick Clodt, of CSC, was 3-for-4 at the plate (all singles).

The Sport Shack team posted its first win of the season, thanks to a 11-run scoring burst in the sixth inning of its game with the Homesteaders. Two doubles by Kauffman and one by Mackney led the 21-hit attack by the Sport Shack team. Long ball hitters for the Homestead were King (2 triples) and Smith (1 three-bagger).

In another high-scoring tilt, the Playboys roughed up the Partners 19-8. Two homers by Demarco of the Playboys highlighted this contest. Demarco also hit a double and a single, while a teammate (Sheppard) batted 1.000 — getting a triple and three singles in four times at bat.

CSC continued to set the pace in the National Division of the Women's Slow Pitch Softball League.

(Continued on Page 7)

Standings as of June 24:	Won	Lost
Men's Fast Pitch Div.		
JB's	7	1
Ridgecrest Gang	6	2
Cards	6	3
Entertainers	3	6
Junk Food Junkies	2	7
Royals	2	7
Men's Slow Pitch American		
NWC Varsity	11	1
La Fiesta-Sandwiches & Things	7	2
CMCI	5	3
Playboys	5	3
Outlaws	4	6
Old Timers	1	6
Homestead	1	7
Men's Slow Pitch National		
JB's	7	0
Ken's Liquor	5	3
C&M Airlines	4	4
CSC	4	5
Partners	1	8
Sport Shack	1	8
Women's Slow Pitch American		
Kelly's Earthworks	10	1
Ridgecrest Electric	8	4
Beer Nuts	5	7
Saxwell's Investments	4	8
Style	2	10
E. J. Ernst Construction	1	10
Women's Slow Pitch National		
CSC	12	0
High Desert Home Center	9	2
High Desert Imports	7	7
NWC Sidewinders	4	8
Graziano's El Dorado	3	9



RUN SCORES FOR VX-5 — Bill Killenger, catcher for the NWC Blue team, leaps for an overthrow at home plate as Frank Lambert, shortstop for the VX-5 Vampires, scores a run in the VX-5 vs. NWC Blue Commander's Cup slow pitch softball game. NWC Blue edged VX-5 12-11 to win the softball competition, but was the Vampires who retained possession of the Commander's Cup based on their total accumulation of points in military athletic competition for the past year.

—Photo by PHAN Greg Hogan

'82-'83 Commander's Cup athletic trophy won by VX-5 Vampires

Commander's Cup athletic competition for another year came to a conclusion last week with three slow pitch softball games.

Although they finished second in slow pitch softball, the Vampires had already piled up a large enough lead in other events throughout the year to repeat for the third year in a row as winners of the Commander's Cup. The final point standings were: VX-5, 35; NWC Blue, 28, and NWC Gold, 26.

In the first of three softball games, VX-5 defeated NWC Gold 14-6, while NWC Blue knocked off NWC Gold by a score of 14-10 in the second round of play.

In a rousing finish to the year-long Commander's Cup action, NWC Blue hung on to defeat VX-5 by a score of 12-11 in the slow pitch softball contest between these

two teams. The result was a first place finish in softball for NWC Blue, while VX-5 was second and NWC Gold had to settle for third.

In the three-game Commander's Cup series, the VX-5 Vampires built up a 10-0 lead in the first two innings of play enroute to a 14-10 win over the NWC Gold squad.

It was the top of the fourth inning before NWC Gold got on the scoreboard with a single run, but VX-5 countered this with three more tallies in the bottom of the fourth. This gave the Vampires a 13-1 lead and locked up the victory for them.

Doug Cross, who was three-for-three (all singles) led VX-5 at the plate in the game with NWC Gold, while a teammate (Ski Charles) had a pair of singles in two trips to the plate. The only extra-base blows in this Commander's Cup contest were a double by Jeff Jenkins of VX-5 and a two-bagger by Tim Bought of NWC Gold.

Game No. 2 between NWC Blue and NWC Gold was a toss-up during the early going, with Gold leading 10-8 after four innings of play. The momentum switched to NWC Blue in the last half of the fifth, however, as the airfield squad chalked up 5 runs and added 1 more for good measure in the sixth to win it 14-10.

Dave Reimers hit a triple, a double and two singles in four times at bat to lead the NWC Blue attack. Tim Schals was almost as effective at the plate for NWC Blue. His contribution was two extra-base hits (a triple and a double) as well as a single in four times at bat.

Two hits each (all singles) by Bob Pulcare, Roger Heiser and Joe Liquori were highlights of the 14-hit attack by NWC Gold in the game with NWC Blue.

(Continued on Page 7)



GETS DOUBLE — Frank Lambert, of VX-5, stretched a hit to a double as Vince Hueft, shortstop for NWC Blue, handles the throw to second base.



AIRCRAFT DEPT. LOGO MAKES APPEARANCE — With the help of Seabee Reservists of Detachment 0217 of China Lake, a 12 ft.-diameter metal sign displaying the NWC Aircraft Department logo was hung in place recently high up on the south side of Hangar 3. The logo features an eagle carrying in its talons replicas of the Sidewinder and Sparrow air-to-air missiles. EO2 George Truesdale operated the crane used to hoist the 3-section aluminum sign in place, while the rigging work preparatory to raising the sign was handled by EO2 Phillip Quinton. Both men are Seabee Reservists. Members of the Aircraft Department's AME Shop who fabricated the sign were AME1 Daniel Curdy, AME2 Chris Marcus, AME3 Gary Soyke, and AMEAN Clayton Temby. Their work was carried out under the supervision of Lt. Brent Norman. —Photo by PHAN Rebecca Gill

'quake studied...

(Continued from Page 1)

double-wide mobile home. Utilities in the community were also dramatically affected, although not universally severed. Power poles swung back and forth so violently that some lines were literally torn loose from buildings. A number of water mains broke — potable water had to be brought from nearby cities. Fresh water was fully restored in nine days. Gas service had to be restored on a house-by-house basis. Many telephone lines were downed or overloaded.

A major difference between China Lake and Coalinga is the relative proximity to cities capable of timely disaster relief.

Both Dr. Roquemore and Lenderman commented that the widespread damage to utilities emphasized the need for each family in California to store water and food not requiring cooking for emergencies for themselves and their pets. Even those who have their own wells could not be ensured a water supply, Lenderman says, because the casing at wellheads sheared in private wells and also because of possible lack of electricity.

Although they did not enter homes to observe the damage, they did talk with residents who described hatches and bookcases overturned, contents of cupboards and shelves dumped or thrown on the floor.

One resident even reported that his couch in the living room had been overturned. (Lenderman says that secure fastening of hatches or similar furniture to a load-bearing wall would reduce the likelihood of toppling in a quake and would both protect property and cut the potential for injury to residents.)

The men agreed that it was a miracle that no one was killed, considering the amount of damage that occurred at Coalinga. While "substantial damage" can be a matter of personal definition, the picture that they brought back would undoubtedly fit that definition for nearly everyone.



China Lake's SAR helo crew has busy time over weekend

The Center's Search and Rescue helicopter crew spent a busy weekend, being called upon both last Saturday and Sunday.

On Saturday, the Kern County Sheriff's office requested help from the SAR helicopter at China Lake to airlift an injured motorcyclist from the Dove Springs area in Red Rock Canyon.

David Beugen, 37, was suffering from an

TD Award... (Continued from Page 1)

papers in highly esteemed scientific publications, such as the Journal of the American Chemical Society. Dr. Willer has presented numerous seminars and papers on his work, and has made it a practice to publish his work as NWC technical papers so that the information can be made available to others working in this field with a minimum time delay.

The honoree joined the work force at China Lake in June 1980. He came here from Texas Tech University in Lubbock, where he was on the faculty as an instructor of organic chemistry.

Dr. Willer received his Ph.D. in organic chemistry in 1976 at the University of North Carolina in Chapel Hill, and was involved for two years in post doctoral research in organic chemistry at Michigan State University.

He earned both a BS and a Master's degree in chemistry at East Carolina University located in Greenville.

apparent fracture of the left leg and required transportation to the Ridgecrest Community Hospital by air because of the rugged terrain in which he had been injured. (Air Force SAR headquarters at Scott AFB in Illinois credited the helo crew with a "save" for their success in getting him to medical assistance.)

On Sunday the same helicopter crew, consisting of LCdr. Sam Massengale, pilot, and AO2 John Schatz, AEAN Barry Beavers, and HM2 Bill Lewis, was called out once more — this time to look for a man who was reported missing while flying his gyrocopter in the Last Chance Canyon-Goler Gulch area. He had taken off from Garlock.

Soon after the SAR helo was airborne, the Kern County Sheriff's Office called off the search because the man had been located, but the helo crew was asked then to investigate the cause of smoke spotted north of the Center's Randsburg Wash test range by NWC firefighters.

The SAR crew determined that the smoke resulted from a brushfire burning out of control in the Quail Mountains south of Death Valley, where NWC and Fort Irwin lands adjoin.

After the Bureau of Land Management Office was notified about the size and location of the fire, four engines, a helicopter and 25 firefighters were dispatched to the scene. The "Fort Fire" was contained on Monday at 8 a.m. after about 4,300 acres had burned.

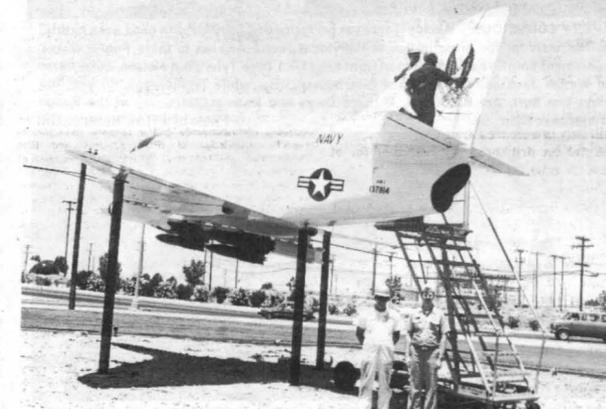
Navy experiencing highest personnel retention in years

The Navy is experiencing the highest personnel retention in years, with first-term retention up more than six percent and second-term reenlistments almost five percent higher than expected.

Unprecedented numbers of prior service petty officers have rejoined the Navy over the past two years. The 22,000 petty officer shortfall of three years ago is expected to be down to 9,900 by the end of this fiscal year. Fleet personnel readiness is the highest it has been in many years.

While this is good news, a more senior and experienced force does raise manpower costs. To compensate for these increased costs, the Navy has had to make some adjustments to manpower and personnel programs such as requesting voluntary tour extensions, and increasing reassignments within geographic areas.

Most of the necessary adjustments have, however, been made in non-personnel related areas. The goal is to have only those adjustments which have the least impact on personnel.



AIRCRAFT SPRUCED UP — A fresh coat of paint and a touch of trim in appropriate places gave a dazzling, like-new look to the A-4 Skyhawk aircraft that is mounted in the traffic circle at the intersection of Knox and East Inyokern Roads. This job included decorating the aircraft's tail section with the Aircraft Department logo — work that also was done by AE1 James Oiser, AM2 Carroll Testerman, ADAN Maurice Jones, and AOAA Leroy Blakey of the Corrosion Control Team in the Aircraft Department's Maintenance Division. —Photo by PHAN Rebecca Gill

Lt. Hammerstein receives Navy Achievement Medal

Lt. Brice Hammerstein, currently assigned to the Naval Weapons Center's Supply Department, was recently presented the Navy Achievement Medal for "consistently performing demanding duties in an exemplary and highly professional manner."

The medal, accompanied by a citation signed for the Secretary of the Navy by Vice Admiral M. S. Holcomb, of the U.S. Seventh Fleet, was presented to Lt. Hammerstein by Capt. Lahr.

Before being transferred to the Naval Weapons Center at his request, Lt. Hammerstein was assigned to the USS Bronstein, homeported in San Diego, as a supply officer.

The citation notes that while Lt. Hammerstein was on board the USS Bronstein, he "skillfully coordinated a multitude of logistics matters, both before and during deployment, which enabled his ship to maintain an exceptionally high state of material readiness."

The citation also says that Lt. Ham-

merstein's "Predeployment preparations became notable evident when, on numerous occasions, his Supply Department was able to provide critically needed parts that enabled the ship to meet operational commitments."

Lt. Hammerstein also played a key role in the USS Bronstein's overseas diplomacy program. "He managed several highly successful ship visitation programs, and executed numerous wardroom receptions which projected a highly favorable image of the U.S. Navy to numerous foreign military and civilian dignitaries," the citation noted.

This recent recipient of the Navy Achievement Medal requested China Lake as a tour of duty because he likes small communities and the desert area. He arrived here a little over a month ago, and is the Food Services Officer in charge of managing the two galleys here on Center.

A bachelor and an avid long distance runner, Lt. Hammerstein also enjoys playing volleyball. His mother is a resident of Barstow, Calif.



Lt. Brice Hammerstein



ON THEIR TOES — Three employees in the Public Works Department Carpenter Shop received Individual Safety Awards of \$50 each. They are (kneeling, l.-r.) Jim Gannon, Ron Ryan and Phillip Reese. Standing are (l.-r.) Jerry Austin, Marvin Hunter, Rick Mayfield and Warren Ellingson, who received similar recognition for their work as employees of Code 26's Michelson Laboratory Service Shop.

1st quarter of '83 Individual Safety Awards presented

Individual Safety Awards for the first quarter of 1983 were presented recently to employees in the Public Works Department, the Engineering Department and the Ordnance Systems Department.

The program, which was initiated by the NWC Safety and Security Department, is aimed at increasing the safety awareness of employees in various shops and work centers at China Lake. In the relatively short time it has been in existence, it has had a positive impact on the Center's safety record.

Because of this, the program has been reviewed and accepted by the Chief of Naval Material Command for adoption at other CNM activities.

Each shop or work center can earn a maximum of 50 points per day. A point is deducted for each individual who is off on sick or annual leave. In the event of a work-related accident, all points that otherwise would have been earned for the day are lost.

Individual employees earn points by being on the job and not having a work-related accident. A record is kept of the individual points that are accumulated and, based on this total, checks totalling \$50 per employee are presented to the workmen from each shop with the most points for each three-month period.

The shops from the Public Works Department that took part in the Individual Safety Awards Recognition Program during the first quarter of 1983 were the Carpenter Shop, the Range Maintenance Shop, the Michelson Laboratory Service Shop, and the Steam Distribution Shop.

Other Individual Safety Awards were presented to employees of the Engineering Department's Computer-Aided Manufacturing Branch, and to employees in the Electric Shop of the Ordnance Systems Department's Process Systems Division.

Chuck Wilhite, assistant safety program officer in the Safety and Security Department, says that the reduction in job-related injuries, and consequently the reduction in compensation costs, means a substantial savings to NWC that has yet to be fully realized.



SAFETY AWARD WINNERS — Glenn Johnson (at left), head of the Process Support Branch in the Ordnance Systems Department's Process Systems Division, presents Individual Safety Awards to two employees of the Code 3253 Electric Shop. The recipients are Pat McMurphy (in center), and Larry Martin.—Photo by PHAN Rebecca Gill

Red Cross volunteers provide hours of community service

Although they are not very visible, a large number of local American Red Cross volunteers spend untold hours each year serving others.

Dr. Carl Heller, chairman of the First Aid Committee, and his group of about 20 currently-qualified first aid instructors, have been teaching an average of 800 students per year.

These classes are offered at Cerro Coso Community College, in other schools, and to the search and rescue groups as well as to other organizations that request training.

The First Aid Committee's goal for 1984 is to expand the number of classes to at least 70, and to train at least 1,000 individuals in multimedia, standard, and advanced first aid.

During this past year the local Red Cross production workers have contributed more than 2,167 hours of volunteer time in making

health and comfort items for veterans' hospitals and other groups.

They made 21 lap robes, 94 toe cast covers, 80 bed cloth and slipper sets, six pairs of underarm crutch pads, 15 pairs of grip pads, 13 stoma bibs and one shawl.

Eleanor French, chairman of the Production Committee, reports that her group meets regularly on the first and third Thursdays of each month. Many of the production workers knit and crochet the items needed at other times as well. She notes that more volunteers are urgently needed.

An average of 10 active, documented, cases each month are handled by the case work volunteers. In addition, there are many other cases involving inquiry assistance and other areas not requiring documentation which are handled by the volunteer workers.

In addition, local Red Cross volunteers were involved in assisting in disaster operations at Cantil, in flooded areas of Kern County earlier this year, and at Coalinga, which was badly damaged by an earthquake.

Anyone who wishes to serve as a Red Cross volunteer is invited to contact the local office by calling NWC ext. 3208 Mondays, Wednesdays or Fridays between the hours of noon and 4 p.m.

Suggestion offered for keeping alert in holiday traffic

Everyone gets tired, but when drivers get tired, it saps their energy, tires their eyes, and slows their reaction time, making them vulnerable to misjudgment and accidents.

Crashes involving drivers who fall asleep are usually severe since most times no braking or evasive action is taken.

NWC's Safety and Security Department advises that you take action if you are beginning to get drowsy while driving. Stop and get a cup of coffee, walk around to get your blood circulating and yourself alert.

If you have a passenger who is a competent, licensed driver, let that person drive. Passengers should also talk to the driver to keep that person alert.

Do plan your trip to allow for sufficient time for rest stops on this Fourth of July weekend.

Training Center may add Computer Engineering option

The Personnel and Organization Development Division (Code 094) is considering the addition of a Computer Engineering Option to the Center's bachelor's program in computer science.

A person successfully completing this option would have the background required to work in either the hardware or software design of digital systems.

The curriculum for this option would include courses in the following areas: mathematics, physical science, electrical engineering and computer science.

Code 094 is conducting an interest survey. Those who would like to participate can obtain a questionnaire by calling Kit Driscoll, at NWC ext. 2648 or Steve Lee, at ext. 2468.

NRS donations welcome

Anyone who still may be holding contributions for this year's Navy Relief Society fund drive is asked to get them to Ltjg. Kris Gorman, at the Military Administration Department at the corner of Blandy Avenue and Hussey Road.

The local drive officially ended yesterday.

Police reports . . .

During the early evening hours of June 23, unknown persons entered the garage at 618 Ellis St. and removed tools and automobile parts valued at \$550.

Mary Kilpatrick assumes duties of FWP manager

Duties of the Federal Women's Program Manager will be handled for the next four to six months by Mary Kilpatrick. This will be a collateral duty assignment for Ms. Kilpatrick, who is a management analyst in the Management Analysis Branch, Code 0824, of the Management Division in the Office of Finance and Management.

Ms. Kilpatrick has served on the Equal Employment Opportunity (EEO) Committee for more than a year and has a strong interest in EEO because she believes that "we're wasting a lot of human resources," and that the quality of life can be improved through utilization of all human resources. While acting as FWP manager, she will continue to serve as advisor to the EEO Committee.

Specific assignments that Ms. Kilpatrick has for the next few months include completing and publishing results of a workforce profile for which Lee Ann Riddoch, a member of the FWP Committee, has been gathering data. This profile will show where all the women on board are employed, what their occupational specialty is, and what their grade level is.

She is also to plan the direction of the FWP to be of maximum assistance for both women on board and for the Center as a whole. To achieve this goal, she will survey a number of women and managers for their ideas on what the goals of the program should be, and their suggestions for achieving these goals. The letter is now being prepared and will be distributed shortly.

On the basis of the workforce profile and responses to the letters, Ms. Kilpatrick and the Deputy EEO Officer, with support from the FWP Committee, will determine how the program should be focused and will be able to develop long-range goals, and strategies for achieving them.

One of Ms. Kilpatrick's aims is to expand FWP beyond the Center's boundaries into the community. She is planning to contact women business and professional leaders in Ridgecrest to see how they and the FWP can be of help to each other and to women in

general.

She'd also like to get some networking started, both on Center and in town. The primary aim of networking will be to establish lines of communication. These networking efforts will be initially directed at women in supervisory positions.

"I also see this position as a resource," Ms. Kilpatrick says. Her aim is to get in-



Mary Kilpatrick

formation about career counseling resources, about updating career skills, about resume writing and about employment opportunities assembled in a manual so that the information will be available to those who need it, such as servicewomen who are entering the civilian workforce for the first time and women who are trying to get back into the workforce.

Since Ms. Kilpatrick will also be functioning as a management analyst, anyone who would like to get in touch with her on FWP business can reach her in Rm. 206 of the Personnel Building in the afternoon, or by calling NWC ext. 3129. If she is not in the office, Tina Rockdale, who will be assisting her, will take messages for her.

For best results, ADP resources must be tied together

The complex automatic data processing resources on Center, such as the Central Computing Facility, ATIPS and the Corporate Data Base must be tied together to function at their maximum capability. The task of planning and coordinating how this is to be accomplished confronts Dale Batchelder, head of the Communication Systems Program Office (Code 01A6C).

Added to the task of providing a complete data communications system is the replacement of an antiquated telephone system that was originally installed in 1943.

The guidelines for the total data communication system were developed by an in-house Task Team chartered to define an efficient, economical, and reliable communication system to serve Center needs for the next decade.

"It is now my job to define that system in greater detail, to complete the basic design features, and then implement that design into an operating system," says Batchelder.

The current effort is to develop the performance specifications for the entire data communication system to assure that the system satisfies the requirements of ATIPS and the Corporate Data Base, and that all the various elements fit logically together. The plan is that significant portions of the system will be installed and maintained by a competitively selected contractor and the performance specification shall form the basis for a request for quote (RFQ) to be issued late this year.

The system that Batchelder envisions integrates voice, data, and video capability into a single transmission capability. The voice and data transmission will be digital rather than analog such as the current telephone system; video transmission to those areas where required will continue to be analog.

The basic communications system consists of two major elements. The first is installation of a distributed, third generation

microwave systems.

Fiber optic provides wide bandwidth data transmission, is immune to electronic interference, is difficult to tap, and is light in weight. The geographic centers of the base that will be tied together by this system include Armitage Airfield, the Range Control Center, the central site area, Propulsion Plant, Salt Wells, and Randsburg Wash (EWTES).

The explosion of digital technology that has taken place in the last few years is forcing this communications up-grade. Rather than trying to tailor or patch the existing system to satisfy the new requirements, it will be less expensive in the



QUITE A DIFFERENCE — Dale Batchelder compares the telephone cable currently used with fiber optic cable that is being considered for future communication use on board the Naval Weapons Center.—Photo by PHAN Rebecca Gill

Ms. Kilpatrick is a long time China Laker, her family having come to the local area in 1953. She's a Burroughs High School graduate (Class of '68), and holds both a bachelor's degree in sociology and a master's degree in speech from California State University Hayward.

Her first employment on the Center was as a clerk typist in the visitor center. A year later, she was selected for the Management Intern program. On completing that program, she became the Administrative Officer for the Avionics Facilities Division of the Aircraft Weapons Integration Department.

Off the job, most of her time is spent with her three children, Lance, 10; Zenobia, 6; and Louis, who will be 5 next month. As well as being a member of the China Lake Little League board of directors and interested in other sports activities that her youngsters are involved in, she herself likes to run.

Higher thermostat settings in summer helps reduce costs

Now that hot weather has once more appeared for the summer months, the time has once more come to consider the best way to get maximum cooling for each energy dollar spent.

According to the Department of Energy, overcooling is very expensive because the smaller the difference between the indoor thermostat setting and the outdoor temperature, the less the amount of hot air that flows in from outside.

If a thermostat for refrigerated air conditioning is set at 78 degrees rather than 72 degrees, between 12 and 47 percent of cooling costs will be saved, depending on the area.

The Department of Energy also recommends that refrigerated air conditioners and evaporative coolers should never be used to cool a common area because the two systems are incompatible.



RECOGNITION EARNED — Sailor of the Month for the Naval Oceanography Command Detachment is Aerographer's Mate Third Class Nathan Hannah, who was chosen for his outstanding quality control work and his leadership abilities. Petty Officer Hannah, who hails from Butte Mont., enlisted in the Navy in October 1980 and has been at China Lake since March 30, 1981, following completion of "A" school.

Drug, Alcohol Safety facilitator training available to military

Navy Drug and Alcohol Safety Action Program facilitator training is now available to interested military personnel.

This two week course, which is accredited by the University of Arizona, is taught at the Naval Station, San Diego. It will be offered again in late July or early August.

Those attending must pay their own expenses for travel and quarters. Military personnel interested in part-time work in this field at the Naval Weapons Center can obtain more information by calling John Williamson (Code 2104A), phone NWC ext. 2165 or 2167.

long run to install a modern system that the Center will be able to use for at least a decade — and the cost can be amortized over that period of time.

Also, significant cost savings can be realized by deleting the need to rewire offices and buildings each time an organization or group moves from one location to another on the Center. With the envisioned state-of-the-art system, each person would merely unplug his or her own terminal/phone, plug it back in at the new location, and make one phone call to get on record that the particular telephone (and its date transmission capabilities and requirements) was now in a new location.

The video signals will be patched to the required location with the Range Control Center becoming the switching point to buffer transmissions between the range and the main site.

Once the system is installed, users will be trained so that each one will be able to get maximum benefits from the new system to meet his or her own specific needs. These training efforts will be handled in a variety of ways.

Batchelder, who has been working for the Navy since he received his bachelor's degree in electrical engineering from the University of Nebraska in February 1958, feels that his background has prepared him well for his role in heading the Communications Systems Program Office. His experience in program management of various technical acquisition programs and familiarity with contracting procedures will be aided by the technical expertise of supporting engineers.

"The next three to five years of getting a prime contractor on line, installing the system and completing the operational evaluation of the system will be one of the most challenging tasks I've faced," Batchelder says. "I'm looking forward to the challenge."