



Photos by Ron Allen

PARADE HIGHLIGHTS DESERT EMPIRE FAIR — This camera's-eye view of the Desert Empire Fair parade provides a glimpse of the gala procession that was a major attraction of this year's celebration. In the top row of photos are (l.-r.) the mounted color guard from the Marine Corps Logistics Support Base, Pacific, at Barstow, which led the procession; Capt. F. H. M. Kinley, NWC Vice Commander, and his wife, Priscilla; and the NWC Sea Cadet Corps color guard. Across the center row of photos are a replica of the cruiser Los Angeles which was entered in the parade by the Navy Recruiting Office; Mollie Bee, grand marshal of the parade, and the Saxons, who joined her in entertaining the throngs at the

fairgrounds and (at right) Smokey the Bear and Woodsey Owl riding in a U.S. Forest Service truck as a reminder that Oct. 8 to 14 is Fire Prevention Week, and fire danger in the mountains and brushlands is high at this time of the year. The remaining photos were snapped of the NWC Sidewinder Drill Team's color guard; the drill team from George Air Force Base which placed first in this category of the parade competition; a Marine Corps League vehicle with a reminder that the annual Toys for Tots drive is coming soon; and (at lower right) a look at a portion of the crowd that flocked to the midway. Ideal weather for the parade and activities at the fairgrounds added to the success of this year's fête.

MOVIES

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

FRIDAY "Olly Olly Oxen Free" (89 min.) Aided by Katherine Hepburn, an eccentric junkyard owner, nine-year-old Kevin McKenzie and his pal, Dennis Dimster, reassemble an old hot air circus balloon belonging to McKenzie's daredevil grandfather in a plan to relaunch it on the old man's birthday. A premature launch, a hair-raising cross-country trip and a rousing landing highlight this film for family viewers. (Comedy, rated G)

SATURDAY 1:30 Matinee "The Sea Gypsies" (101 min.) Set in Seattle and Alaska and based on a true story.

this family in the wilderness plot concerns a man, Robert Logan, and his two daughters who set out on a round-the-world voyage, but are, instead, castaway on an Alaskan island in a storm. Along with photojournalist, Mikki Jaimison-Olsen, who stowed away on the doomed traveler, they learn to hunt for food and elude the dangers of the wilds. (Adventure drama, rated G)

"The Pack" (105 min.) When a group of vacationers remain at a New England island resort beyond the summer season, they are besieged by a pack of wild, abandoned dogs with killer instincts. This film stars Joe Don Baker and Richard S. Shull. (Drama, rated PG)

MONDAY "The Sea Gypsies" (see synopsis above).

WEDNESDAY & THURSDAY "Casey's Shadow" (117 min.) Horse racing becomes a family affair in this pleasant comedy drama made on picturesque locations in Louisiana and New Mexico. Walter Matthau is a veteran horse trainer who uses his three young sons to help groom a quarter horse for racing greatness. (Comedy drama, rated PG)

Program subject to change without notice. For further information call NWC ext. 2927 or ext. 2411.

THE CLUB BEAT

Commissioned Officers' Mess
The Commissioned Officers' Mess will offer its members three dining room specials next week. On Tuesday, the club will feature Italian Night with all the spaghetti patrons can eat for \$1.95 (children, \$1). The menu will also have new Italian entrees.

Thursday is Seafood Night, and Friday is Diners' Night. The Diners' Night entrees are prime rib of beef, surf and turf, whole lobster, and crab legs and claws.

Dining room hours at the COM are from 6 to 9 p.m.

Enlisted Mess
The Enlisted Mess has rescheduled its Membership Night for Oct. 28, and it will be a Halloween party with a floor show and

band for the dancing and listening pleasure of members and guests.

The dining room that evening will feature baron of beef with all the trimmings. The cost for the dinner and entertainment will be just \$5.50 per person.

The Enlisted Mess has a new assistant manager. He is SHC Florante Famisan. Chief Famisan reported to the Naval Weapons Center last month from duty aboard the destroyer USS William H. Standley.

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From: _____

To: _____

PLACE STAMP HERE



AD2 Kelvin L. McSwain

McSwain chosen as Bluejacket of Month by VX-5

Aviation Machinist's Mate Second Class Kelvin L. McSwain of Air Test and Evaluation Squadron Five is the Naval Weapons Center's Bluejacket of the Month for September.

The selection was made recently by a committee of VX-5 chief petty officers in recognition of the outstanding sailor's "professionalism, selfless devotion to duty, exemplary military appearance and cheerful attitude," according to a letter of commendation which accompanied the award.

AD2 McSwain is a power plants maintenance technician assigned to the squadron Maintenance Department. He was also selected as VX-5's Sailor of the Month for August.

A native of Alabama, Petty Officer McSwain enlisted in the Navy in January 1972 after graduating from Carver High School in Birmingham, Ala., the preceding summer.

In the letter of commendation he received for being recognized as Bluejacket of the Month, he was praised for his "excellent knowledge of the TF-41 engine," his trouble shooting of complex problems and his

(Continued on Page 5)

Military paychecks Oct. 13 to include 5.5% pay increase

Watch for lots of smiles at Navy pay windows next Friday, Oct. 13.

On that date, Navy men and women will receive their first paychecks reflecting a 5.5 percent pay raise.

The increase means basic pay, subsistence allowance, and quarters allowance each will be upped by 5.5 percent.

For example, an E-3 with over two years of service will receive \$512.10 in basic pay each month, compared to \$484. prior to the increase. An E-6 with over eight years of service will get \$761.40 per month, compared to \$721.80 for the past year, while a lieutenant with more than six years of service will receive \$1,415.40 under the new pay rates, instead of the \$1,341.60 he or she received during the past year.

Basic allowance for quarters rates will increase from \$142.50 to \$150.30 monthly for an E-3 with dependents; from \$202.20 to \$213.30 for an E-6 with dependents, and from \$271.20 to \$286.20 for a lieutenant with dependents.

Civilian white collar workers throughout Civil Service (those with GS ratings) also will receive a 5.5 per cent pay increase. It will be effective beginning with the first full pay period in October, which is Oct. 8 through 21.

The increase for civilian employees will show up on the paychecks which white collar workers will receive on Friday, Oct. 27.

nwc rocketeer

Naval Weapons Center
China Lake
California
Vol. XXXIII, No. 40

Arrival of A-6E TRAM is important milestone in NWC's tactical aircraft software support

The recent arrival of the Navy's latest version of the A-6E Intruder, the A-6E Target Recognition Attack Multisensor (TRAM), marked an important milestone for the Naval Weapons Center A-6E Software Support Activity (SSA).

After more than a year of transitional effort, the A-6 SSA operation was transferred from the Naval Surface Weapons Center, Dahlgren, Va., to the Naval Weapons Center. The A-6E TRAM aircraft is an appropriate indication of the A-6 SSA operational maturity.

The A-6 joins the System Development Department's A-7 and F-18 software programs to increase the Naval Weapons Center's activities in tactical aircraft software support. The transition was completed in July with the departure of NSWC engineers who were assigned to NWC to ensure continuity of A-6 software support for the Naval Air Systems Command Project Manager, Capt. Howie Alexander.



DEADLY TURRET — Lcdr. Pete Dabbieri, the A-6 Software Support Activity's project pilot, checks out the A-6E Intruder's Target Recognition and Attack Multisensor (TRAM). The turret contains equipment that can detect and identify a target in total darkness.

—Photo by Ron Allen

Full Responsibility Assumed Here

With their departure, the A-6 SSA organization, managed by Bob Campbell and Cdr. Andy Miller, assumed full responsibility for the development and validation of the A-6 software.

In order to meet its responsibilities, the A-6 SSA draws support from several branches within the Systems Development Department's Avionics Division, Aircraft Sensor and Laser Systems Division, and Tactical Software Engineering Division led by Nick Schneider, Werner Hueber and Dick Seeley, respectively.

The Tactical Software Engineering Division provides the cadre of personnel required to analyze, define and develop new software modules to be integrated into the existing A-6 computer program.

The changes evolve from a variety of sources, such as the Fleet; the introduction of new weapons and avionics capabilities onto the aircraft; and the prime A-6 contractor, which is the Grumman Aerospace Corp.

The A-6 software group, led by Jim McManis, coordinates the evaluation and

(Continued on Page 4)

Wherry housing units repossessed; bids sought from prospective buyers

The 600 Wherry Housing units that the Navy repossessed in August have been readvertised for bid by the General Services Administration. The bids will be open on Nov. 16.

The General Services Administration (GSA) has placed ads in the Kern County, Los Angeles and San Francisco newspapers, as well as other publications, including the Wall Street Journal.

As of Wednesday, the local housing office had received several telephone inquiries concerning the property, and three parties had inspected the 220 duplex and 40 fourplex units located near the corner of China Lake and Ridgecrest Boulevards.

The units were to be purchased by the Los Angeles-based firm of Al Tamimi Properties, Inc., but the company failed to come up with adequate money in August with which to consummate the deal after making a deposit.

When the property was repossessed the GSA authorized the Naval Weapons Center to resume custody and accountability for the property and to resume security responsibility for the 15 families living in the housing units.

(Continued on Page 5)



SIMULATED COCKPIT — Cdr. Andy Miller (left), deputy manager of the A-6 Software Support Activity, and Lcdr. Dabbieri demonstrate some of the features of the A-6 Simulation Facility which is used to duplicate actual flight and target conditions when validating A-6E (TRAM) Intruder computer program tapes.

Special flag raising ceremony on Navy Day

American flags bordering the grass triangle in front of the Administration Building will enclose a special flag raising ceremony at 8 a.m. next Friday in local observance of the Navy's 203rd birthday.

The flags will be set in place by members of Boy Scout Troop 41, which is sponsored by the All-Faith Chapel's Protestant Congregation.

Oct. 13 is recognized as the Navy's birthday because on that day in 1775 the Continental Congress passed the Nation's first naval legislation when it authorized the fitting out of ships for the Navy.

Navy birthday messages

As we celebrate our Navy's 203rd birthday I would like to extend my heartfelt greetings and appreciation to each member of the Department of the Navy and to the host of friends of the Navy. Whether you are a sailor, Marine, or civilian employee, and whether serving at sea or on shore duty, each of you is making a valuable contribution to our nation's ability to use the seas, as are those in the civilian sector who support our service.

Never before in more than 200 years of our history has the ability to use the seas been more important than today. In spite of its continental size, America is really an island nation. Millions of jobs depend on imports and exports. About half our energy and scores of materials vital to our peacetime economy or weapons production effort must be imported.

More than 40 of our allies and hundreds of thousands of our forward deployed forces can be supported only if we can use the seas. The thousands of merchant ships sailing each day in the world's oceans represent the life-giving bloodstream of the free world. We must never allow any potential aggressor to believe he can choke off these vital arteries by denying us the use of the seas.

Thanks to your professionalism and dedication we have a Navy-Marine Corps team that contributes very significantly to strategic deterrence of aggression, that can control the seas in those areas where necessary to ensure safe passage of friendly shipping, that can project power ashore and that can show the flag overseas to hearten our friends and discourage potential aggressors.

So far our strength has been great enough, and visible enough, to keep the peace. You deserve the credit for this. You are doing an important job and doing it well. Keep up the good work!

W. Graham Claytor, Jr.
Secretary of the Navy

This 203rd anniversary of the Navy's founding offers each of us an excellent opportunity to step back from our daily duties for a moment to assess ourselves.

We have come a long way from the difficulties that were the legacy of Vietnam. Today we are a strong, ready force for the United States that can respond promptly and effectively if called upon. We are a proud Navy and we are keenly aware of the challenge we face. We are volunteers for whom service to country is more than a hollow phrase.

The Navy today is firmly on course and has strong momentum. For the first time in several years we see the prospect of a larger Navy as new, highly capable ships begin to enter the Fleet in numbers.

The days ahead will not always offer smooth sailing, but our fellow countrymen have provided the resources for the kind of Navy the United States must have to remain pre-eminent on the seas. It is our task to insure we are never found wanting.

To all our Navy people, uniformed and civilian, happy birthday. At this important milestone I ask that you join with me in recognizing our many strengths and, that as professionals, we together renew our resolve to keep the United States Navy second to none. Our collective security demands no less.

Thomas B. Hayward
Admiral U.S. Navy
Chief of Naval Operations

NWC Library to feature books on Navy

In observance of the Navy's 203rd birthday on Oct. 13, the Center Library will have a special display of books on view near the front door.

The heart of the display is a copy of "Jane's Fighting Ships." This large, expensive publication contains pictures and specifications of ships comprising all the world's navies. In its pages, there is also information on the armament, displacement, size and propulsion machinery of each listed ship.

Other books in the display include a study of the strategy, tactics and ships involved in ancient sea wars from the Battle of Salamis in 480 B.C. to Actium in 31 B.C.

A five-volume set of books on the fun-

damentals of naval science covers such subjects as shipboard organization, personnel, seamanship, navigation and weapons.

For persons interested in naval terminology, the display has a dictionary entitled "Sea Language Comes Ashore." Those whose interest leans toward naval aviation will find "The Naval Aviator's Guide." Sea warfare buffs can read about naval battles in "Great Sea Battles."

These and many other books on the U.S. Navy and naval history can be located under the heading of "Naval Art and Science" in the NWC Library card catalog or by browsing through the Navy birthday book display.

Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 452, Ext. 2047. 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. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 054 or 077). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Sheet and Plate Metal Worker, WG-3801-11, J40 No. 114, Code 4222 — This position is located in the Engineering Section, Track Operations Branch, Range Operations Division, Range Department. Incumbent fabricates missile, rocket motor and rocket sled parts; and electronic chassis panels and cabinets. This position requires application of full knowledge of the sheet and plate metal field. Work is done to high tolerances and requires the forming of unusual shapes. Job Relevant Criteria: Knowledge of all types of materials; ability to use trade mathematics; ability to layout and develop patterns; ability to cut all types and thicknesses of sheet and plate metal; ability to brake, solder, spot weld and gas weld; ability to use hand and power equipment for braking, forming, fastening, etc.; ability to read blueprints; ability to do sheet and plate metal work without more than normal supervision. Supplemental experience statement required. Forms may be obtained in Room 204, Personnel Building.

File applications for the above with Jan Nieberlein, Bldg. 34, Rm. 204, Ph. 2577.

Clerk-Typist, GS-323-3/4, PD No. 7836174N, Code 2484 — Applications will be accepted from both current Navy employees and status eligibles. Position is located in the System Effectiveness Branch, Product Assurance Division, Engineering Department. Incumbent services branch receptionist screening visitors and incoming telephone calls. Incumbent initiates follow-up action correspondence, routing and determining when such correspondence will be answered, and insures that actions are completed on schedule. Preparation and editing of correspondence and reports submitted by personnel in the branch. Performs timekeeping duties for branch. Procures supplies, equipment, repair, and maintenance services, etc., through appropriate channels. Prepares travel orders for the personnel in the branch. Responsible for maintenance and upkeep of files within branch per NWC instructions. Obtains documents and background information for supervisor. Job Relevant Criteria: Incumbent must be a proficient typist, particularly familiar with the Magnetic Card/ Selectric Typewriter. Incumbent required to be able to recognize and put into use appropriate formal and grammatical usage for each document she prepares. Incumbent must be knowledgeable of regulations/procedures concerning timekeeping, procurement of supplies, maintenance of filing, travel orders, correspondence, etc.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2925.

Clerk-Typist, GS-323-3/4, PD No. 78010, Code 02 — This position is located in the office of the Laboratory Director. The incumbent assists in the clerical work of the office. The duties include typing a variety of documents, filing, answering the telephone, receiving visitors, scheduling appointments, meetings and conferences and performing clerical duties as assigned. Job Relevant Criteria: Ability to type accurately and efficiently; knowledge of grammar and punctuation; knowledge of Navy and business style correspondence; ability to deal effectively with people. Status eligibles accepted.

File applications for the above with Leah Reusche, Bldg. 34, Rm. 204, Ph. 2723.

Interdisciplinary, GS-855/861/1310/1520-7/9/11, PD No. 7835151N, Code 3512 — This position is located in the Simulation Analysis Branch, Systems Sciences Division, Electronic Warfare Department. The branch provides in-depth analysis and information on threat systems to NWC developers and off-center groups such as the Naval Intelligence Center in Washington, D.C. The incumbent will assist or assist in the design of components and subsystems of surface-to-air weapons systems through theoretical and applied analysis of missile, gun and radar characteristics that will result in a set of performance specifications to be incorporated into digital or analog simulations. Job Relevant Criteria: Knowledge of digital computing. Some knowledge of weapon control systems. Experience in design/development of weapons systems.



—Photo by PH1 R. L. Ziesler
A-6 FLIGHT TIME RECOGNIZED — Lt. D. J. Franken (left) receives the congratulatory VX-5 Executive Officer Cdr. N. B. Nash for logging 1,000 hours as an A-6 Intruder bombardier-navigator. Cdr. Nash was pilot of the aircraft in which Lt. Franken reached this milestone. Lt. Franken is the squadron's Electronic Warfare Strike Tactics Officer.

Ability to communicate effectively, both orally and in writing.

File applications for the above with Charlotte Siewkowski, Bldg. 34, Rm. 208, Ph. 3118.

Operations Research Analyst, GS-115-12, PD No. 783132, Code 3181 — This position is located in the Survivability Evaluation Branch, Survivability and Lethality Air Targets Division, Systems Development Department. The incumbent develops and uses analytical models including computer methods for the analysis and evaluation of system survivability and warhead lethality and coordinates and manages survivability and lethality analyses and evaluation projects. Job Relevant Criteria: Knowledge of target modeling techniques; knowledge of projectile and fragment ballistics; ability to analyze data; ability to perform program planning and coordinating; ability to prepare formal technical documentation.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 3214.

Procurement Clerk (Typing) GS-1184-4/5, PD No. 78292196/79292058N, Code 2522 — This position is located in the Purchase Branch, Contracts Division, Supply Department. Incumbent types purchase orders, requests for quotation, change orders, blanket purchase agreements, letters and memorandums. Job Relevant Criteria: Knowledge and experience pertinent to the position; ability to interpret instructions; ability to meet and deal effectively with others; typing skill; ability to meet deadlines under pressure. Applications will be accepted from status eligibles.

Supply Clerk, GS-2095-5, PD No. 7825007-3N, Code 2522 — This position is located in the Receipt/Matching Section, Receipt Control Branch, Control Division, Supply Department. Incumbent inspects the delivery of material and performance of service from commercial sources in accordance with purchase provisions. Job Relevant Criteria: Knowledge of purchase documents and practices; knowledge of voucher examining methods and regulations; knowledge of supply function and procedures; ability to expedite and follow-up on material requests. Applications will be accepted from status eligibles.

Voucher Examiner, GS-540-5, PD No. 723292, Code 2523 — Applications will be accepted from status eligibles. This position is located in the Audit Processing Section, Receipt Control Branch, Control Division of the Supply Department. The function of this section is to receive, audit, certify and forward contractors' invoices for payment, maintain accurate payment records, and close out completed orders. Incumbent's duties include verifying documents for compliance with NWC and DOD established policies and procedures, initiating correspondence necessary to complete the auditing/processing of invoices and calculating applicable prices, discounts and charges. Job Relevant Criteria: Technical knowledge of voucher examining methods and regulations; technical knowledge of purchase methods and regulations; ability to work well under pressure; ability to plan and organize work.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2271.

(Continued on Page 4)

DIVINE SERVICES

PROTESTANT	
Sunday Worship Service	1015
Sunday School—All Ages	0900
Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Doorms 5, 6, 8) located opposite the former Center Restaurant.	
Communion Service first Sunday of the Month.	
ECUMENICAL	
Wednesday Noon Bible Study	1130
Thursday Men's Prayer Breakfast	0630
ROMAN CATHOLIC	
MASS	
Saturday 1700 fulfills Sunday obligation	
Sunday 0830-1130	
Nursery, Chapel Annex 1	0815-1245
Daily except Saturday, 1135, Blessed Sacrament	Chapel
CONFESSIONS	
Daily	1115 to 1130
Saturday	1615 to 1645
Sunday	0800 to 0825
RELIGIOUS EDUCATION CLASSES	
Sunday First thru 4th grades	1015
Sunday Pre-school & kindergarten	1115
Sunday seventh & eighth Junior High	1900
Above classes are held in the Chapel Annexes across from the former Center Restaurant.	
Sunday evening Ninth thru 12th grades	
As announced "In Home" Discussion Groups	
Youth Rallies	
Contact Chaplain's Office for specifics.	
JEWISH SERVICES	
EASTWING—ALL FAITH CHAPEL	
Sabbath Services every Friday	1930
UNITARIANS	
CHAPEL ANNEX #5	
Sunday Services—(Sept. May)	1930

Robinson Memorial Golf Tourney prize list grows to \$2,500

The prize list has risen to approximately \$2,500 for the third annual Robinson Memorial Golf Tournament, which will be played tomorrow at the China Lake golf course.

Entries are closed for this partner's best ball tournament, which will begin with a "shotgun" start at 9 a.m. and is expected to conclude by around 1 p.m. The entry list includes golf partners from Bakersfield and the Antelope Valley area, as well as local "hackers."

The \$25 entry fee covers not only the green fees for playing golf, but also an awards presentation dinner which will follow a 7 o'clock social hour tomorrow evening at the Commissioned Officers' Mess.

Gery Hucek will be the master of ceremonies at the awards dinner during which prizes will be presented for the low gross score, and to golf partners who placed first through fifth and first (non-handicap) flights, respectively.

In addition to the prizes that will go to the winners and runners-up in the handicap and "Peoria" flights, as well as to the first place team in the "horse race" event, \$125 in merchandise awards has been set aside for the golfer whose drive from the tee comes closest to the pin on any of the par three holes at the China Lake golf course.

The Robinson Memorial Golf Tournament is sponsored by the Indian Wells Valley Century Football Association, and is one of the means used to raise funds needed for improvement of the Burroughs High School stadium facilities.

The tourney is held in memory of the late Frank Robinson, who was a well-known local sports enthusiast and supporter of sports programs in the local area.

Youth soccer . . .

(Continued from Page 6)

the Sting were Paul Mantz and Mark Bullock.

Jeff Roper, goalie for the Hurricane, made some fine saves which held down the score in his team's 2-0 loss.

Guy Stanton was singled out as the game's top individual player, even though his team, the Rogues, suffered a 2-0 loss to the Lancers.

In the first of two Pacific Division tilts (for first and second grade players), Barrie Riddoch scored the only goal in the Rowdies' 1-0 win over the Express.

Jason Hall and Matt Selson combined to move the ball well on offense for the Express, but the team was unable to muster a score.

In the final match of the day, the Earthquakes outlasted the Sockers, 3-2, in another Pacific Division match.

The past week's action in the Youth Center Soccer League also included a National Division game on Monday evening in which the Kicks edged the Whitecaps, 3-2. Singled out for special mention as a result of their play in this game were Cedric Riles and Christine McKenzie of the Kicks, and Kirsten Haaland and John Andrews of the Whitecaps.

Each of the squads in this 13-team league can still accept one or two more players. Boys or girls interested in competing can sign up at the Youth Center, and will then be assigned at random to a team.

4-mile run . . .

(Continued from Page 6)

Sharon Bannister, 35:20.
Women 20 to 29 yrs. of age — Janet Kleindienst, 31:59; Carol Williams, 33:47; and Betty Miller, 35:47.

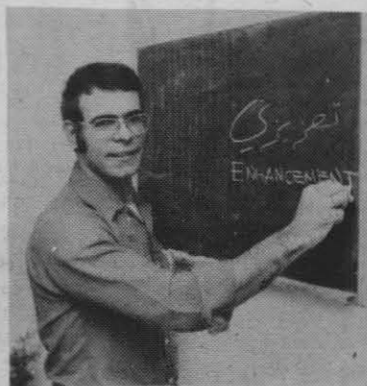
Women 30 yrs. of age and over — Jerry Mumford, 28:07; Marla McBride, 29:10; and Suzanne Haney, 29:20.

Women joggers — Carole Vaughn, 32:17; Diana Lemon, 35:33; and Linda Shelton, 35:57.

employee in the spotlight

By Dan Tikalsky

"Some people are content with what they have, but I have to keep going . . ."



George Banura

How do you write a book when the most important words and terms you want to use don't exist?

George Banura, a Code 3635 electronics engineer, has found a way, and his book is more than 600 pages long and may be twice as big when it's finished.

Banura, a Palestinian-American with a BS and MS in electronic engineering, decided a year and a half ago that it was time someone wrote a college textbook on electronics in Arabic.

The one big problem he faced, however, was that most of the scientific terminology he wanted to use did not appear in his native language. In the Middle East, students must learn English or French before they can study electronic engineering, because textbooks there are usually printed in either of those languages.

In most cases, Arabic-speaking students seek their college degrees in American universities, where they must first learn such words as digital readout and oscilloscope mean.

"You cannot use these terms and words in Arabic because they lack meaning. Instead of one or two words, you would have to use a whole sentence or paragraph to convey the meaning," Banura explained.

Sometimes in English the same word must be used several times in one paragraph. In Arabic, it would be necessary to repeat the long explanation instead and this would be unacceptable, Banura said.

He has already formulated more than 1,000 new technical terms in Arabic which he is listing in a dictionary that will be available as a supplement to the textbook.

Words must convey English terminology

"I am not inventing language," Banura pointed out. "I am finding words in Arabic that come as close as possible to conveying the meaning of the English terminology."

For example, he discussed how he solved the problem of translating the electronic term "dissipated power" into Arabic.

There is, he said, an acceptable word for power; it is "kudra." However, there is no word in Arabic for dissipate, in the sense that it means to gradually lose electricity.

Dissipate, however, also means to scatter and to spread out to the point of vanishing. In Arabic, there is the word "tabaddud" which has much the same meaning as the English word "rout," in the sense that it means the disorderly retreat of an army in battle.

"Tabaddud" originally meant that an enemy slowly loses all of its power to fight when its defeated ranks scatter in confused retreat until they disappear and the army as a fighting force disappears. Now, its meaning is to send in all directions until whatever is being sent disappears.

Banura combined these two Arabic words into the term "kudra mutabaddadah" — dissipated power (mutabaddadah is past tense of tabaddud). The logic of the combination and the sound of the expression make the term acceptable.

The words must also sound right together, Banura said; and they must be pronounceable when combined with each other. Otherwise, the term would be too unpleasant or difficult to use.

He said that he has a lot of problems with scientific words that people use to impress others but that really have no ac-

ceptable meaning in English. These bits of jargon include words like "interface," "heatsink," and "thermal runaway."

These buzz words only have meaning to those within a particular scientific discipline, and he must first translate them back into proper English before he can convert them into Arabic, he said.

The textbook Banura is writing will cover four years of college instruction in electronics. He is publishing the first part at his own expense and plans to send copies of it to universities in the Middle East and to those in the United States attended by Arabian students.

He wrote the first part in Arabic, but he is writing the rest in English first at the request of his supervisors here at the Naval Weapons Center. He was asked by them to do this so he might teach fellow employees in Center-sponsored courses.

Uses text material to teach classes

At the present time, he is conducting a class in digital circuitry and microprocessors using the material in the third year of his text.

Banura said he decided to write the book because after he was graduated from college and chose his profession, his career as an electronics engineer was not enough.

"Some people are content with what they have, but I have to keep going," he said.

Banura has been on the go most of his life. He and his family immigrated to the United States in 1962 when he was 18 years old. They had lived in the village of Beit Sahar near the spot where the angels proclaimed Christ's birth to the shepherds.

His family are Palestinian Christians, and he was graduated from Bethlehem Secondary School.

"I had hoped to continue my education in America, but times were hard," he said.

He joined the U.S. Army in 1965 after three years of trying to scrape together the money to enter a university. That was the smartest move he ever made, he said, because of the educational opportunities available to him as a member of the Armed Forces.

During his four years in the Army, he completed 14 U.S. Armed Forces Institute courses in preparation for entering college. This way, he eliminated all of his first year physics and mathematics requirements.

His wife was also a refugee

His service took him to Germany and to Vietnam where he served as a radio repairman. In 1967, he took leave to go back to Israel after the three-day war. While there he met and married his wife, Lila, who is also a Palestinian refugee.

Before leaving the Army, Banura obtained his U.S. citizenship, and after his discharge, he entered the Northrup Institute of Technology. He received his BS there in 1972, after which he was employed by the Naval Weapons Center.

In 1973, he was awarded a fellowship by NWC through which he received an MS degree from UCLA in 1974. Soon after, he got the idea to write the electronics textbook in Arabic — "because I wanted a project that would keep going for years and years."

He made a wise choice — he's been at it for three years and it's only half finished.

Tumbleweed gymnastics team makes good showing during zone meet at Fontana

In their first zone preliminary meet of the season, the Class III team of the High Desert Tumbleweeds gymnastics team made a very respectable showing against 11 other teams from the San Bernardino area last Saturday in Fontana.

High all-around scorer for the Tumbleweeds was Margaret Wirtz, with a 32.15 in the Junior Division. Ribbons were won by Cheri Truax, who tied for third place in the

Junior Division floor exercise with a score of 8.4, and to Lisa Haney, who tied for fourth on the uneven parallel bars in the Children's Division, with an 8.25.

Other all-around scores earned by the local team were as follows: Senior Division — DeAnne Wilcox (30.9), Junior Division — Leisa Roby (30.8), Cheri Truax (30.9), and Linda Sorenson (29.05); and Children's Division — Lisa Haney (30.9), Marcie Glenn (20.1), and Ann Fry (26.05).

Coach Marilyn Ball, who also heads the developmental gymnastics program for the City of Ridgecrest Recreation Department, said she was "very pleased" with the results of this first meet. "The girls have been getting themselves ready for this all summer in a series of meets between various teams in our zone, and this preparation has really paid off," she said.

Half-marathon race to be staged Oct. 21

Plans were announced this week for staging a "High Desert Half Marathon" race that will begin at 9 a.m. on Saturday, Oct. 21, at the Naval Weapons Center gym.

Co-sponsors of this event are the NWC Special Services Division, the City of Ridgecrest Recreation Department and the Over-the-Hill Track Club.

The race, which will cover a distance of 13.1 miles, will start and finish at the NWC gym.

The entry fee for those who register between now and Monday, Oct. 9, is \$4, and signups are being taken at both the NWC gym and at the city hall in Ridgecrest.

Late registration for those who wish to receive a T-shirt for participation will be \$6, but this charge will be reduced to \$3 for those who wish to enter but do not want a T-shirt.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

Rear Admiral William L. Harris
NWC Commander

R. M. Hillier
Technical Director

Dr. Robert H. Pearson
Head,
Technical Information Department

DEADLINES

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

News Stories

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Phones 3354, 3355, 2347

Ron Allen
Staff Photographer

Over-Hill Track Club's 4-mile run attracts 85 entrants

Competing in a field of 85 runners and joggers, Byron Richardson turned in the fastest time for the 4-mile run that was staged last Saturday morning by the Over-the-Hill Track Club as a prelude to the Desert Empire Fair parade.

Richardson, who was running against other men in the 20 to 29-year-old age group, was clocked at 21 min., 53 sec. This was a repeat win for Richardson, who also placed first in last year's race in the slightly better time of 21:44.

The race began in the eastern Kern County regional park in Ridgecrest, and the contestants followed a route along the Burroughs High School access road to French St. before heading north along China Lake Blvd., circling the "triangle" area at Inyokern Rd., and finishing back at the parade reviewing stand in front of Bud Eyre Chevrolet.

Jerry Mumford's time of 28 min., 7 sec., was the best for any of the women contestants in the race. She was running against other women in the division for those 30 years of age and over.

Medals were awarded to the winner and top two runners-up in each of the age groups (six for men and four for women) of the 4-mile race. The medal winners listed by age group, and their times for the distance run, were as follows:

Boys, 14 yrs. of age and under — Mark Condos, 22:44; David Miles, 28:23; and Leo Allen, 30:46.

Youths, 15 to 19 yrs. of age — Tom Browne, 23:43; Bobby Campos, 26:49; and Glen Bannister, 27:22.

Men 20 and 29 yrs. of age — Byron Richardson, 21:53; Dick Russell, 25:02; and Mike Mumford, 25:51.

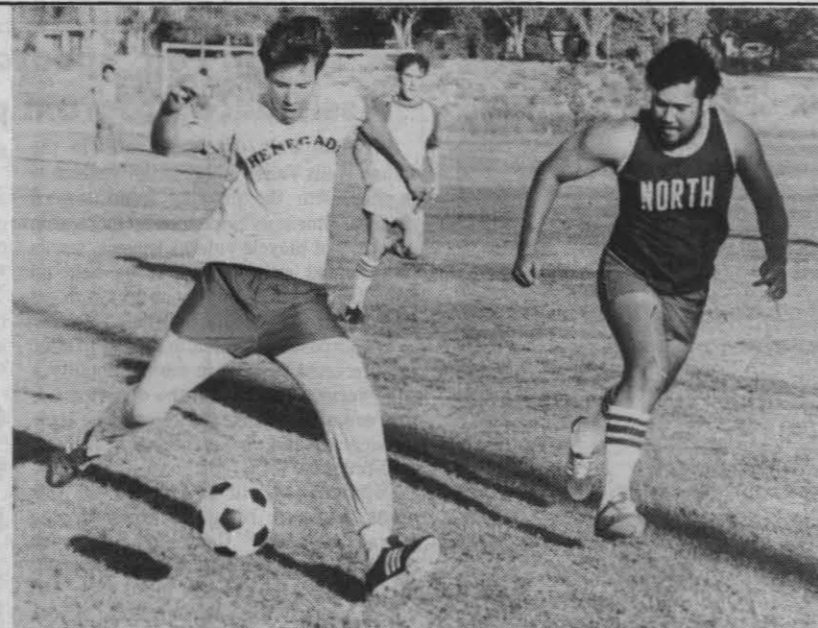
Men 30 to 39 yrs. of age — Frank Freyre, 22:31; Tom McMahon, 23:03; and Mike Hartney, 24:40.

Men 40 to 49 yrs. of age — Norm Nieberlein, 23:54; Dave Rugg, 24:47; and John Anderson, 25:09.

Men 50 yrs. of age and over — Marv Powers, 24:36; Scotty Broyles, 24:53; and Bill Norris, 29:04.

Girls, 14 yrs. of age and under — Patty McChesney, 32:14; and Renee Barglowski, 37:39.

Young women, 15 to 19 yrs. of age — (Continued on Page 7)



ADMIRAL'S CUP SOCCER — Kevin Mason, player-coach for the VX-5 team which won last week's Admiral's Cup competition in soccer, controls the ball as Ed Stevens (at right), of the NWC North team, closes in on him. Visible in the background is Sean McKenna, another member of the VX-5 soccer team. Mason scored one of VX-5's four goals in his team's 4-1 win over NWC North.

Admiral's Cup soccer competition won by team representing VX-5

The VX-5 Vampires, current holders of the Admiral's Cup perpetual trophy, posted their first team win of the 1978-79 season last week by coming out on top in soccer competition against their foes from NWC North (airfield) and NWC South (mainside).

This round-robin event began with 3-0 victory on Tuesday night of last week by the NWC North team over NWC South.

Ed Stevens broke the scoring ice in the first half of NWC North vs. NWC South game by booting home a penalty kick which gave the North team a 1-0 lead at the midway point in the game.

The two second half goals that were tallied by the victors were scored by Sam Goode—one on a penalty shot and the other after the ball had been worked down close to the NWC South net.

On the following night, NWC South forfeited to VX-5 to set the stage for the final and deciding clash of the Admiral's Cup soccer play on Thursday, Sept. 28.

This game ended with VX-5 in the win column by a score of 4-1 over NWC North.

Jerry Connelly of VX-5 booted home one goal each in the first and second halves of the game, and the other scoring for VX-5 was by Kevin Mason, the team's player coach, in the first half, and by Morris Schultz in the second half.

Although the rules permitted teams to field as many as 11 players at a time in the Admiral's Cup soccer competition, neither VX-5 nor the NWC North teams were up to full strength. VX-5 played the game with 10 players—two more than showed up to play for NWC North.

The victory in soccer by VX-5 broke a tie for second place between VX-5 and NWC South, while NWC North, which had previously won the Admiral's Cup bowling and golf competitions, remains in first place.

Current point standings in the battle for the Admiral's Cup in athletic competition is as follows: NWC North, 13; VX-5, 9; and NWC South, 5.

The next Admiral's Cup event will be flag football, which is to be played at the end of this month.



Results reported of Youth Center Soccer League's first games

The fall season of competition in the Youth Center Soccer League began last Saturday morning at Davidove Field with more than 200 young soccer players vying in six games that were played during temperatures which soared to the 97 degree mark.

A contest between the Tornado team and Kicks of the National Division (for boys and girls in the fifth and sixth grades) began the day's activities.

The Tornadoes trailed the Kicks, 3-2, at halftime, but scored two goals in the first 6 min. of the second half and another two in the final minutes of the game to win, going away, by a final score of 6-3.

Tom Rindt and Andy Smith passed well to lead the Tornado team's attack, while Rindt, Smith, Greg Little and Ken DeKay accounted for their team's six goals.

All three goals for the Kicks were tallied by Cedric Riles.

Results of three games played in the American Division (for young soccer players in the third and fourth grades) were: The Sting, 2, Hurricane, 0; Lancers 2, Rogues 0; and Strikers 3, Timbers 0.

In the Stings 2-0 victory over the Hurricane, Craig Rindt booted home a penalty kick and also was credited with an assist on a goal tallied by Greg Riles.

Outstanding on defense and at midfield for (Continued on Page 7)

Renegades lose flag football overtime tilt to Acme, Inc., 7-6

A hard-fought contest between Acme, Inc., and the Renegades marked Monday night's action in the China Lake Intramural Flag Football League.

At the end of regulation playing time, the score was deadlocked, 6-6, but the Acme, Inc., gridgers succeeded in outgaining their opponents during a brief overtime period to win the game by a score of 7-6.

The Acme, Inc., team, led by quarterback Sam Thompson, scored its only touchdown on a flea-flicker play that began with a deep sweep to the right by Thompson.

The latter passed the ball to his left end, Marty Lyle, who was still behind the line of scrimmage, and Lyle lofted a pass to Eddie Celestine, right end, who caught the ball and rambled the remaining distance to the goal line. The scoring play covered about 40 yds.

This touchdown, which was tallied in the first quarter of the game, gave Acme, Inc., a 6-0 lead that held up until the third quarter of play when Edward Watkins, right side linebacker for the Renegades, intercepted a pass thrown by Thompson and ran nearly 30 yards for the game-tying score.

The tie score was broken by placing the ball at midfield, giving each team alternate attempts to advance the ball for four plays, and awarding the victory to the team which had moved the ball deepest into the other team's territory.

Despite the 1-point loss, this was a big turnaround for the Renegades, who were clobbered, 43-0, by the Head Knockers in their first flag football game of the season.

There will be no flag football games played during the coming week, due to participation by a team from the Naval Weapons Center in the 11th Naval District's northern area flag football championships Oct. 10 to 13 at Long Beach.

Burros, Antelopes to clash in league season opener

With two non-league victories under their belts, the Burroughs High School varsity gridgers will face their stiffest competition of the still-young 1978 football season tonight at Antelope Valley High School in Lancaster.

The Antelopes, who are the defending Golden League champions, have another powerful team and it will take the best all-around effort the Burros can muster to come away with a victory on AV's home field.

Kick-off time will be 8 p.m. for the varsity clash, which is to be preceded by a sophomore game that will get underway at 5 o'clock.

Last Friday night in Victorville, the rugged defense of the Burros varsity grid squad was a key factor in the team's 16-0 win over its counterparts from Victor Valley High School.

The defensive unit for the local high school eleven made it tough for its opponents to get anything going by limiting the Jackrabbits to 99 yards in total offense—86 on the ground and 13 through the air. The 'Rabbits deepest penetration of the game was to the BHS 30-yd. line in the first quarter of play where they were stopped.

In the second half, the Victor Valley team was bottled up continuously in its own end of the field whenever it had the ball, but managed on one occasion to get out as far as its own 48-yd. line.

The game's first touchdown by Burroughs was scored midway through the first period of play. It was tallied by flanker Frank

Mayer, who plunged over from the 1-yd. line on the eighth play of a drive that covered 40 yards.

A 15-yd. scamper by tailback Lee McDowell to the Victor Valley 1-yd. line set up the score, but the try for the point after touchdown by field goal kicker Scott Cary was foiled by a high snap from center, and the Burros' lead remained at 6-0.

That turned out to be all of the scoring for the first half of the game. Richie Drake, starting quarterback for the BHS varsity, suffered a minor rib injury while running an option play in the second quarter and was replaced by David Paradise, who handled the signal-calling duties for the remainder of the game.

While the Burros offense was able to gain ground and push around the Victor Valley defenders, it was the defense that set up the next BHS tally of the game when Roger Pack picked off a pass thrown by Geoffrey Penfold, quarterback for Victor Valley.

This set the stage for a 45-yd. sprint down the sidelines by McDowell with just a little more than 2 min. of time remaining to play in the third quarter. Following a penalty against the Jackrabbits that moved the ball to the 1-yd. line, Mayer broke through the line on a 2 point play after the touchdown to increase the Burros lead to 14-0.

In the closing moments of the fourth quarter of the game at Victorville, the Burros were driving goalward once again, but were denied a touchdown as a result of a fumble that was picked up by an opposing player in the Jackrabbits own end zone.

When he attempted to run the ball out, he was stopped behind the goal line for a safety and 2 points as the result of a tackle by BHS linebacker Mark Gritton.

In the rushing department, the Burros who gained a total of 196 yds., were led by flanker Mayer, who picked up 87 yds. on 13 carries, while McDowell netted 81 yds. on 11 tries, including a 45-yd. touchdown romp.

Keeping pace with 2-0 record of the BHS varsity, the local high school's sophomore gridgers also were victorious for the second week in a row—posting a 13-7 win in their game at Victorville.

NWC to send team to 11th Naval Dist. flag football tourney

A team representing the Naval Weapons Center will compete next week in the 11th Naval District Northern Area flag football tournament, which is to be held at the Long Beach Naval Station.

The China Lakers will leave on Monday and are scheduled to play their first game in this double-elimination tournament on Tuesday.

Sam Thompson, coach of the team, hopes to take a squad of 17 players to Long Beach. No names of players for the NWC team were available, however, since none of the individual permission slips for participation in the tourney had been received at the athletic office by press time for this week's ROCKETEER.

Fire Prevention Week to be observed here Oct. 8-14

The one week per year in which special attention is focused on fire prevention—something that is a matter of vital importance daily—is now at hand.

The annual observance of Fire Prevention Week, which will begin on Sunday and continue through Saturday, Oct. 14, is held on the anniversary of the great fire in Chicago which (in 1871) resulted in the loss of 250 lives and property damage totaling \$250 million.

Locally, personnel of the NWC Fire Division, the Kern County Fire Department, the U.S. Forest Service, and the Bureau of Land Management are uniting their efforts in an attempt to reach all elementary school youngsters in the local area with information based on the theme "Learn Not To Burn."

Programs Set at Theater

Among the ways in which this is to be accomplished will be by the presentation of morning and afternoon programs Tuesday through Friday at the Center theater for first through sixth graders who attend both public and parochial schools in the local area.

These programs will begin outside the theater with the arrival of two pumper trucks—one each from the NWC Fire Division and the Kern County Fire Station in Ridgecrest.

With red lights flashing and sirens screaming, the fire trucks will pull into the theater parking lot, firemen will jump off, start running hose lines and spraying water. The action will be described by Bill Brown, one of the fire shift captains in Ridgecrest, using a public address system.

The outdoor demonstration of how fire fighters work will include the use of various sizes and types of nozzles that will spray water from a pumper truck. In addition, firemen will be wearing their regulation fire-fighting gear, including self-contained breathing apparatus.

Skits, Film Showing Slated

Inside the theater there will be a 40-min. program during which skits on exit drills in the home, (showing both incorrect and correct procedures) will be presented along with a National Fire Protection Association film which stars Dick Van Dyke, of motion picture and television fame.

In the film, youngsters will be shown that dropping to the ground and rolling over and over is the prescribed method to follow if the clothing they are wearing catches afire.

Youngsters also will be cautioned about reaching up and over the lighted burner on a stove for a cookie can, for example, because of the likelihood that their clothing might catch on fire, and there also will be messages which they can take home to their parents warning them about the hazards of running electric power extension cords beneath rugs or smoking in bed.

Visits to Kindergartens

Kindergartens and nursery school youngsters will be visited at their schools by a team that will include a structural fire fighter and a forest fire fighter. During each such visit, the children will have the opportunity to examine a fire truck and will receive miniature fire fighter hats from Smokey the Bear, who will accompany the fire fighters.

Also at the kindergarten classes and nursery schools, a short film will be shown and the youngsters will hear brief talks on fire prevention.

As a prelude to Fire Prevention Week, a poster contest has been conducted among children in the kindergarten through third grades, and fourth through sixth graders were invited to enter an essay contest. Poster contest participants were asked to draw a picture of a fire hazard, while the Fire Prevention Week theme, "Learn Not To Burn," was the subject which students entering the essay contest were asked to write about.

Entries for both of these events were due last Friday, and the winners and top runner-up in each of the various grade levels will receive plaques during the time that their class either goes to the Center theater to



FIRE DRILL—Chris Johnson, age 8, is one local youngster who is making certain that, in case of a fire at his home, he will know what to do in order to avoid personal injury. Like his father, Darrell Johnson, NWC's fire prevention chief, he urges all families in the local area to join in "Operation EDITH" (Exit Drills in the Home) next Wednesday, Oct. 11. Fire Chief Johnson recommends that parents make sure their children are capable of opening windows and either removing or kicking a hole through a screen if it is necessary to use a window as an emergency exit. In the top photo, young Chris Johnson is about to leave his home by way of a bedroom window in order to rush to the nearest neighbor and telephone to the fire station for help. It's a good idea to keep bedroom doors closed at night since this helps contain any fire that might break out.



observe the Fire Prevention Week program, or during visits by firemen to the kindergarten classes.

During Fire Prevention Week, all fire stations in the Indian Wells Valley will be open to the public from 8 a.m. to 8 p.m. Fire fighting apparatus will be on display and visitors will be able to obtain first-hand information about Fire Prevention Week from the firefighters who are on duty.

Participation by the general public in Fire Prevention Week also will be stressed on Wednesday, Oct. 11, when (starting at 6 p.m.) families throughout the local area are encouraged to get involved in "Operation EDITH" (Exit Drills in the Home).

For the same reason that fire drills are held at school and at some places of work,



FIRE PREVENTION WEEK PROCLAIMED—Rear Admiral William L. Harris, NWC Commander, was joined by Don Chieze, Mayor of Ridgecrest, in the signing of a joint Naval Weapons Center-City of Ridgecrest proclamation in support of Fire Prevention Week, Oct. 8 through 14. Looking on are (seated at left) Gordon King, fire management officer for the Bureau of Land Management, and Darrell Johnson, NWC's fire prevention chief; and (standing, l.-r.) Jack White, a battalion chief in the Kern County Fire Department, and Randy Reitswig, a captain in the Kern County Fire Department assigned to the fire station in Ridgecrest. The proclamation makes note of the fact that during 1977, fire caused the death of nearly 10,000 Americans and serious burn injuries were suffered by more than 140,000 others. In addition, home fires were responsible for 78 per cent of all fire deaths and 30 per cent of the fire victims were children. —Photo by Ron Allen

on the walls. More effective, however, would be to have a loud police whistle next to everyone's bed.

The family fire escape plan also should include measures to take to insure that a specific member of the family is assigned to help a baby, or someone who is ill or elderly to get out of the house. In addition, a meeting place should be selected outside where everyone will assemble and a count taken to insure that all are present.

The cardinal rule to follow in the case of a fire at home is "once out, stay out," it was stressed by Darrell Johnson, the China Lake Fire Division's fire prevention chief.

The next step is to notify the fire department quickly—either by using a neighbor's telephone or rushing to the nearest fire alarm box.

At 6 p.m. next Wednesday, when it's time to practice "Operation EDITH," families should hurry outdoors to their predetermined assembly spot. Then, after a few minutes, get back inside again and leave the next time through pre-established emergency exits.

Applications for PACE test due no later than Oct. 12

Persons who wish to take the Professional and Administrative Career Examinations (PACE) must file applications in Rm. 100 of the Personnel Office, Bldg. 34 by next Thursday, Oct. 12.

To be eligible, applicants must have a college degree or equivalent experience. The PACE test offers an opportunity to compete for a wide variety of entry-level jobs in Federal agencies at grade levels GS-5 and GS-7.

These positions also offer potential for advancement to higher level professional and administrative jobs.

Most of the jobs filled with PACE applicants do not require specialized education or experience. However, to be considered, persons taking the test must meet certain general education and experience requirements.

In addition, they must score sufficiently high on the written test which is designed to measure abilities required for jobs covered by the examination.

Experience and education requirements are:

A bachelor's degree or three years of responsible experience or a combination of both totalling three years are needed for GS-5 positions.

Besides a bachelor's degree, GS-7 applicants must have at least one year of graduate study, an LL.B. or J.D. degree or an equivalent combination of both education and experience totalling four years.

Applicants who have a bachelor's degree and a 90 percent PACE test score, plus a 2.9 college grade point average, membership in a national honorary society or rank in the upper third of their graduating class may also qualify for a GS-7 rating.

Persons interested in obtaining more information on the PACE tests may contact Eve Lou Hughes in the Personnel Building by calling NWC ext. 2690.

Those who apply to take the tests by Oct. 12 will be notified later of their examination date. The PACE tests are scheduled to be given at the NWC Training Center between Nov. 4 and Dec. 9.

Tree trimmers to begin work Tuesday

Tree trimming and removal work will begin Tuesday, Oct. 10, in various "Hill" housing areas, S. E. Whitehurst, the Housing Manager, has announced. The contractor, Richard's Tree Service, will provide this service and will give prior notice to tenants before starting work in their yard areas.

The cooperation of all affected tenants is requested, Whitehurst said.



FIELD TEST SET CHECKED OUT — Ray La Borde, an electrical engineer in the Short Range Missile Fuze Branch, explains the operation of an active optical target detector field test set to Luftwaffe 1st Lt. Wolfgang Kern and Ernst Schreiner. The two officers were part of a contingent of West German Ministry of Defense officials here recently for a week-long evaluation of Sidewinder missile logistics and training requirements. 1st Lt. Kern and Schreiner will establish training and personnel requirements for West Germany's Sidewinder missile program. —Photo by Ron Allen

Sidewinder test equipment requirements evaluated by visitors from West Germany

Four civilian representatives of the Federal Republic of Germany's Ministry of Defense and five Luftwaffe officers spent last week, Sept. 25-29, at the Naval Weapons Center evaluating AIM-9L Sidewinder air-to-air missile test equipment requirements. At the head of the group was Erwin Haller, a deputy chief in the Office for Techniques and Procurement, Ministry of Defense. The group's senior military officer was Maj. Manfred Heer of the Luftwaffe's Logistics Command.

During their five-day stay here, the West Germans were assisted by personnel in the Sidewinder Program Office to establish logistics, personnel and training requirements in support of the West German Air Force's Sidewinder program.

The group arrived here Sept. 25 from Holloman Air Force Base at Alamogordo, N. Mex., where they evaluated AIM-9L guidance and test equipment.

Last Friday, part of the group returned to Germany, while Haller and Maj. Heer, accompanied by Luftwaffe Capt. Wolfgang Heide (another of the visitors), went to Washington, D.C., where they will consult

with Naval Air Systems Command officials. Later this month, representatives of the NWC and the Naval Air Systems Command will travel to Koblenz, Germany, for further conferences on the German Air Force's Sidewinder program.

Other visitors from the Ministry of Defense were Karl-Hans Born, Heinrich-Guenther Palm and Alexander Kaemmer. Besides Maj. Heer and Capt. Heide, other Luftwaffe officers here were Capt. Leohard Brunner, 1st Lt. Ernst Schreiner and 1st Lt. Wolfgang Kern.

AFGE to meet Monday

The next monthly meeting of Local 1781 of the American Federation of Government Employees will be held on Monday, starting at 7 p.m., at 65-B Halsey Ave., China Lake.

Local 1781 is the exclusive representative of a unit composed of those non-supervisory civilian employees of the Safety and Security Department's Police and Security Operations Division who are located at China Lake.

Fed'l Women's Program award banquet slated Oct. 18

Looking forward to a repeat of last year's highly successful Federal Women's Program award banquet, the committee in charge of the 1978 event has shifted its preparations into high gear for the upcoming fete, which will be held on the evening of Wednesday, Oct. 18, at the Community Center.

A capacity crowd is expected for this special occasion, which will be highlighted by the presentation of both Women's Awards and Supervisor's Awards to those Centerites who have distinguished themselves by best exemplifying the aims and purposes of the Federal Women's Program (FWP).

A social hour starting at 6 p.m. will precede the serving of a prime rib dinner (catered by the Chief Petty Officers' Club). Guests in attendance will be introduced by Karen Altieri, Federal Women's Program Coordinator at NWC, and the FWP awards to the supervisors and women employees singled out for this special recognition will be presented by Rear Admiral William L. Harris, NWC Commander.

Featured speaker for the evening will be Orson Bean, a panelist on the TV game show, "To Tell the Truth," who also appears regularly on the Johnny Carson show and is a frequent guest of TV entertainer Merv Griffin.

In the past, Bean, whose topic for the Federal Women's Program award banquet

Tactical aircraft software support...

(Continued from Page 1)

definition of all changes to the software. The Tactical Software Engineering Division also provides the extensive simulation model software required to support the prime tool of the A-6 SSA — the A-6 Simulation Facility.

Data reduction programs required to correlate aircraft generated data with laboratory evaluations are also generated from the same group of engineers of the Facilities Software Branch, led by Carl Hall.

The Avionics Division provides system engineering support required for the many avionics modules within the A-6 and is responsible for the development and management of the A-6 Simulation Facility and Integration Laboratory. The A-6 Simulation Facility is managed as part of the A-6/A-7 simulation complex by Harvey Nelson with the A-6 team led by Jay Crawford.

Flight Conditions Duplicated

The NWC A-6 simulation facility can duplicate the actual flight conditions and puts "the-man-in-the-loop" with a mock up of the plane's pilot and bombardier-navigator cockpits.

Aircraft performance, wind, target and weapon data are all fed from the simulation lab's computer into the A-6 tactical computer and are read on cockpit displays. The A-6 computer can also be fed additional data that may require manual corrections to be made by the aircraft's crew.

This man-in-the-loop, computerized mock-up saves the time and cost of many hours of flight testing and can provide a rapid change and rerun of the program when test personnel detect errors in it.

Vital Support Provided

The Aircraft Sensor and Laser Systems Division provides engineering coordination and sensor support for the radar and Detecting and Ranging Set (DRS) of the A-6 aircraft. The A-6 TRAM technical coordinator, Chuck Newmeyer, provides the Naval Air Systems Command with engineering support for the DRS production, and systems engineering support to the A-6 SSA for the DRS interface with the computer.

The new A-6 TRAM aircraft which just arrived will be utilized by the A-6 SSA to investigate and correct known software deficiencies, to investigate developmental software and for selected engineering investigations. Flight test data will be utilized

to complement those data obtained from the A-6 Simulation Facility.

The A-6 TRAM provides a completely integrated system. The radar and DRS which contains a forward looking infrared (FLIR) sensor, a laser designator/range finder and a laser receiver, are both fully integrated with the A-6 navigation, weapons delivery and control systems through the computer.

The A-6E TRAM can identify targets which are detected with radar, utilizing the FLIR generated imagery, and can deliver weapons with pin-point accuracy, day or night, while the plane is involved in evasive maneuvers.

NWC has thus become the focal point for A-6 avionics related activities including, not only software support, but for the coordination of efforts relating to the TRAM and avionics integration as well. The Center's facilities and capability make it ideally suited to this type of research, development, test and evaluation.

NEX to celebrate Navy birthday with special sales events

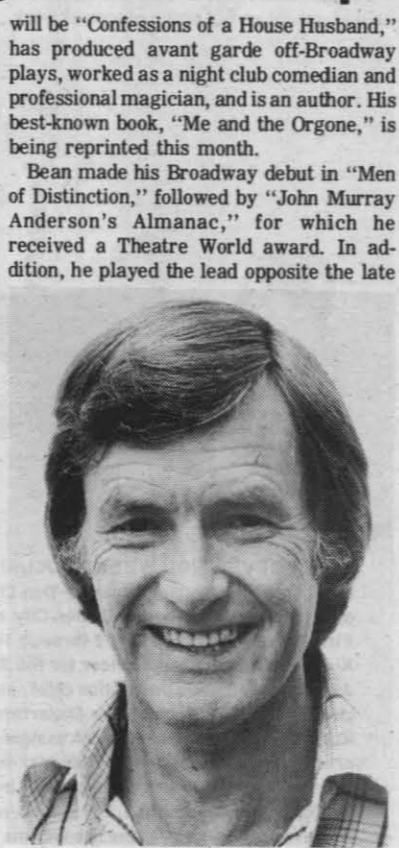
The Navy Exchange will celebrate the Navy's birthday with a four-day sale from Friday, Oct. 13, through Tuesday Oct. 17. To salute the 203rd anniversary of the Navy, a series of mini-sales will individually honor some of the nation's fighting ships.

The first, the USS Constitution Sale, will take place at 10:30 a.m. on Oct. 13 and will feature sewing accessories and shoes. Every half-hour another mini-sale, lasting 10 minutes, will introduce bargains in every department of the store.

A schedule of sale times and departments will be posted in the main store and will be circulated via flyers to Exchange patrons. The service departments will also participate in these sales with the food service snack bars featuring various sandwich specials. Birthday cake will be given away on Oct. 13 at the Bennington Plaza and Michelson Lab snack bars.

The Service Station is promoting car stereos, speakers and a battery sale, while the Personalized Services Department will offer a 10 percent savings on personalized Christmas cards.

The Navy birthday sale at the Exchange annex also will feature a name-brand beer for \$1 off the regular price from Oct. 13-17.



Orson Bean

Jayne Mansfield in "Will Success Spoil Rock Hunter," and was nominated for a Tony Award for his performance in "Subways Are for Sleeping."

After five years of traveling around the world, Bean and his wife, Carolyn, and their four children recently settled in southern California, and he now earns his living by writing, lecturing, and appearing on TV talk and game shows.

Tickets for the banquet, at which wine will be served along with the prime rib dinner, are priced at \$8 per person. They may be ordered until noon on Monday, Oct. 16, by calling the Equal Employment Opportunity Office at NWC ext. 2358 or 2738.

The tickets also can be purchased from any of the following members of the Federal Women's Program Committee: Marge Adicoff, Code 61, phone NWC ext. 5404; June Deatherage, Code 224, NWC ext. 3346; Betsy Eggelston, Code 3193, NWC ext. 5456; Dianna Haworth, Code 324, NWC ext. 7334; Olivia Noriega, Code 2334, NWC ext. 3177; Charlotte Paulsen, Code 0862, NWC ext. 2151; Judy Royster, Code 32501, NWC ext. 7575; Gene Schneider, Code 3193, NWC ext. 5456; or Margy Zinke, Code 3105, NWC ext. 5224.

Centerites wishing to attend the Federal Women's Program awards banquet are advised to purchase their tickets early since last year's affair was a complete sell-out and there is little reason to doubt that this also will be the case again this year.



CENTERITE HONORED — Joe Lopez, Jr. (at left) was honored recently for his work as a full-time Hispanic Program Coordinator. The presentation of a paper-weight-size plaque denoting this special recognition was presented to Lopez by James M. Woods, Jr., vice chairman of the Los Angeles Federal Executive Board.

Hispanic Program Coordinator honored by Greater L.A. Federal Executive Board

Joe Lopez, Jr., the Naval Weapons Center's Hispanic Employment Program coordinator, was honored recently by the Greater Los Angeles Federal Executive Board (FEB).

During a luncheon held at the Marriott Hotel near the Los Angeles International Airport, Lopez was called forward to receive the Greater Los Angeles FEB award for his work as a full-time Hispanic Program Coordinator.

His nomination for this special honor was made by the NWC Hispanic Employment Program Committee and forwarded with the approval of Rear Admiral William L. Harris, NWC Commander.

The latter was represented at the luncheon, which took place on Sept. 13 (in the middle of Hispanic Heritage Week, Sept. 10-16) by Capt. S. I. Stocking, head of the NWC Aircraft Department.

The award, a paperweight-size plaque, was presented to Lopez by James M. Woods, Jr., vice chairman of the Los

Wherry housing...

(Continued from Page 1)

The Navy immediately took over police, fire protection and maintenance responsibilities.

In addition to the newspaper ads, the GSA has printed and distributed 10,000 brochures describing the property to interested bidders. The brochure describes the property as, "An investment opportunity in a high desert area near recreation, providing summer and winter sports activity with favorable weather year around."

The brochure describes the purchase as a potential for retirement and community housing or desert vacation homes (with country living but still close to schools, churches and shopping.)

The single level homes have from 817 to 1,260 square feet of living area; two, three and four bedrooms, combination living-dining rooms, one and two bathrooms and carports.

The entire package is being offered as a unit by GSA and the terms are cash. Al Tamimi was chosen by GSA as the successful bidder the first time the property was offered for sale with a bid of \$1.8 million.

Fourteen companies and individuals bid on the housing complex the last time it was offered, and their bids ranged from a high of nearly \$3.2 million to a low of \$60,000.

The GSA rejected the two highest bids as "non-responsive," selecting Al Tamimi, whose general partner, Asim S. Al Tamimi submitted the third highest bid.

The bids this time around will be opened after the closing date by the GSA at its Business Service Center in San Francisco.

Angeles Federal Executive Board, and is a part of the FEB's activities aimed at recognizing significant contributions made in support of the Hispanic American Program and to further the Hispanic community in an eight-county area covered by the Greater Los Angeles FEB.

The awards that were presented on Sept. 13 are sponsored by the Los Angeles FEB and the Hispanic Employment Program Coordinator's Committee of the Federal Equal Employment Opportunity Council.

These groups also present a Federal Employee Award, a Community Award, and an award to the outstanding Part-time Hispanic Employment Program Coordinator.

Criteria on which the award received by Lopez was based included active participation both within and outside of the Hispanic Employment Program Committee, personal knowledge of and participation in such activities as seminars, school recruitment, and statistical surveys, as well as input to affirmative action plans.

Lopez, a former electronics technician who came to China Lake in 1971 when the functions at the Corona Laboratory were consolidated here, was appointed to the part-time position of NWC's Spanish Speaking Program Coordinator in February 1974.

This responsibility became a full-time one in October 1976, and this past February the change in name from Spanish Speaking to Hispanic Employment Program went into effect.

New books listed at NWC library

A complete list of new books is available in the NWC library. Library hours are Tuesday thru Friday: 1-9 p.m.; Saturday: 12-4 p.m.

Centerites are reminded that all employees or military personnel, regardless of their place of residence, are welcome to use the NWC library.

FICTION

Gerald A. Browne — Green Ice.
Elizabeth F. Hartley — A Woman of Independent Means.
Tony Hillerman — Listening Woman.
Victoria Holt — My Enemy the Queen.
Malcolm MacDonald — Sons of Fortune.
Douglas Scott — The Spoils of War.

NON-FICTION

Isaac Asimov — Quasar, Quasar, Burning Bright.
Alistair Horne — A Savage War of Peace.
Chris Jones — Climbing in North America.
Jean Kerr — How I Got To Be Perfect.
Charles Maclean — The Wolf Children.
Julius Segal — A Child's Journey; Forces That Shape the Lives of Our Young.

'Health Fair' sponsored by Employee Assistance Program planned on Oct. 14

A Health Fair, something new in the Indian Wells Valley but an activity which is in step with the growing trend toward physical fitness as evidenced by increasing numbers of bicycle riders, joggers, tennis players and swimmers, will be held on Saturday, Oct. 14, from noon to 4 p.m. at Cerro Coso Community College.

The purpose of the Health Fair is to offer all interested persons in the community a wide variety of ideas on the opportunities that are available locally to enhance their physical, mental, and emotional health and well-being.

No admission will be charged for this event, which is being sponsored by the Naval Weapons Center's Employee Assistance Program (EAP), and no entry fees will be charged the more than two dozen groups and organizations whose members will be giving demonstrations, presenting lectures or films, and displaying literature promoting their particular program.

The list of groups lined up to take part in the Health Fair ranges from the White Star Mine Health Spa, the Desert Counseling Clinic, and CORD (Committee on Responsible Drinking), to the Indian Wells Valley Wheelers (a bicycle club), the Ballet Arts Theatre, High Desert Sundancers, and Overaters Anonymous.

In addition, the Training Center at NWC will show a number of films, including an animated, award-winning movie entitled "Leisure"; another on the effects of stress and methods of reducing stress called "Your Own Worst Enemy," and one on the "Life, Death, and Recovery of an Alcoholic" which deals with one man's disillusion due to the effects of alcoholism and his eventual recovery to a more productive way of life.

Speakers will be making their presentations in the Cerro Coso College lecture center; another room at the college will be set aside for the showing of films; and booths will be set up on the lawn outside the college or in the Student Center — depending upon the weather.

One of the major drawing cards at the Health Fair will be a talk by Hank Fieger, an instructor from Tim Gallwey's Inner Tennis Institute in Calabasas, Calif. Fieger, the Health Fair's keynote speaker, will discuss the importance of quieting the "inner critic" in whatever a person does — whether it be in the field of playing tennis or

Bluejacket of Month chosen by VX-5...

(Continued from Page 1)

willingness to work extra hours.

The letter was signed by Capt. L. E. Giuliani, VX-5 Commanding Officer, who, in the letter, also noted that AD2 McSwain has been active in the Center's sports programs.

He plays softball for the Homestead team, flag football with the NWC squad and basketball for the NWC Devil's Guns. He is an active competitor with other members of his squadron in the Admiral's Cup athletic events and is a member of the NWC Recreation Committee.

After completing recruit training at the

Talk by Karen Altieri

set at WACOM meeting

Karen Altieri, the NWC Federal Women's Program Coordinator, will be the featured speaker at the next luncheon meeting of the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) on Tuesday.

Ms. Altieri will discuss the Equal Rights Amendment and what it means to the average woman.

The meeting will begin with a period of socialization at 11 a.m. followed by a luncheon of quiche at 11:30. Ms. Altieri will speak after the luncheon.

The cost is \$2.75 per person. Members of WACOM who have been contacted and have made reservations in advance have until Monday noon to cancel those reservations if their plans have changed.

golf or handling management problems. "People attending will be free to wander among the displays, booths, and exhibits to get ideas, ask questions, and, we hope, have fun," Lynn Lacey, the Center's EAP advisor, said.

The Health Fair will be concluded by a health food potluck dinner that will be held in the Cerro Coso College cafeteria between 4 and 5:30 p.m.

Off-road motorcycle rider safety class scheduled tomorrow

A motorcycle safety class open to all Naval Weapons Center personnel and/or their dependents who are motorcycle riders will be held on Saturday, starting at 8:30 a.m., at the Safety Building, which is located at the corner of Nimitz Ave. and Hussey Rd.

Release forms, which may be obtained at the Safety Office, must be signed by parents or guardians of minors enrolled in the course. These forms may be signed this afternoon or prior to the start of the class tomorrow morning.

Adults, too, are required to sign the release forms if they wish to enroll in the motorcycle safety class.

Naval Weapons Center Instruction 5100.6B states, in part, that all persons who operate vehicles in off-road areas of NWC are required to complete an off-road vehicle course and skill test prior to riding in these areas. This includes not only NWC military and civilian personnel and their dependents, but their guests as well.

During tomorrow morning's class, the instructor will discuss safe riding tips, hazards, causes of motorcycle accidents, and the areas in which off-road motorcycling is permitted at NWC. In addition, an excellent motorcycle safety film will be shown before class members move to a skill course that has been set up in order to offer each student the opportunity to test his or her skill as a motorcycle rider.

Since the class size is limited to 20 students, those interested in attending tomorrow's session should get their name on the list either by calling the Safety Office at NWC ext. 2367 this afternoon, or reporting to the Safety Office at 8:30 a.m. Saturday.

Naval Training Center, Orlando, Fla., AD2 McSwain was assigned to duty at the Navy Outlying Landing Field, San Nicolas Island.

In 1974, he was transferred to Attack Squadron 97 at Naval Air Station, Lemoore, Calif., and deployed with the squadron to the Western Pacific aboard the attack carrier USS Enterprise.

In November 1975, Petty Officer McSwain attended advanced jet mechanic's school at the Naval Air Technical Training Center, Memphis, Tenn., and upon graduation, he was assigned to VX-5 the following April.

In recognition of his being named Bluejacket of the Month, the Armed Services Committee of the Bakersfield Chamber of Commerce will offer AD2 McSwain an all-expense-paid weekend trip to that city, which will be sponsored by a Bakersfield business named by the committee.

He will also receive the loan of a new Ford automobile from Desert Motors to use in making the trip.

CO of VX-5 to speak at Navy League meeting

Capt. L. E. Giuliani, Commanding Officer of Air Test and Development Squadron Five, will speak to members of the Indian Wells Valley Council of the Navy League of the United States next Thursday, Oct. 12.

The meeting will be held at the Enlisted Mess on the Center beginning with a social hour at 6:30 p.m. A T-bone steak dinner will follow at 7:30. The cost is \$6 per person.