

Tomorrow the Commissioned Officers' Mess will be holding another of its festive "Membership Nights."

Music and dancing of the '50s is the theme for the evening, and Bill Coy and his Blue Jeans disco will be providing the recorded tunes that members and guests will be dancing to from 8 until midnight.

Those planning to attend are encouraged to wear costumes from the 1950s, and there will be prizes awarded for the best dressed and for the best dancers.

A buffet dinner will be featured, from 6:30 to 9 o'clock, consisting of salad, Cornish game hen, baked potato, and vegetables. Price for this evening of dining and dancing is \$4 for members and their spouses, and \$5 for guests.

The COM also invites all members and their guests to enjoy Thanksgiving at the

On Thursday, Nov. 22, from 2 to 7 p.m. the COM dining staff will be serving a Thanksgiving meal featuring main entrees of roast turkey with country dressing or baked Virginia ham with fruit sauce. Also included on the menu will be candied yams. whipped potatoes, hot turkey giblet and mushroom gravy, buttered broccoli cuts, mini corn-on-the-cob, salad, cole slaw, cottage cheese and chives, and beet and

The price for this holiday meal is \$6.75 for adults, and \$4 for children.

Reservations, which must be made prior to next Wednesday, Nov. 21, can be made by calling the COM office, phone 446-2549.

CPO Club

The "Sounds of Country," a popular rock music group from the Los Angeles area, will be back for a return engagement tonight and tomorrow at the Chief Petty Officers

The menu in the CPO Club dining room this evening will feature prime rib of beef and Icelandic cod, which will be served from 6 to 9 o'clock, and the "Sounds of Country" will play for the dancing and listening pleasure of CPO Club patrons from 9 until 1 a.m. on both evenings.

Main entree tomorrow night at the CPO Club dining room will be surf'n turf, served from 6 until 8:30 p.m.

**Enlisted Mess** 

This evening at the Enlisted Mess, a musical group known as the "Harvest." which hails from the Los Angeles area, will ! be playing for the listening and dancing pleasure of EM members and guests.

A seafood plate with lobster is the dining room special tonight at the EM. It will be served from 6 to 8:30, and the musical entertainment by the "Harvest" is slated from 9 until 1:30 a.m.

## Ballet lesson fees to be donated to Maturango Museum

Shape-up for the holidays and contribute to the Maturango Museum Building Fund at the same time.

Ballet Arts Theatre is offering a five week session for adults, at the rate of \$25, that is scheduled to begin the last week of November. Checks are to be made payable to the Maturango Museum and instruction will be given by Bette Jacks, director of the Ballet Arts Theatre.

According to Mrs. Jacks, there is no better way to get in shape for the extra demands of the holiday season than ballet, and the fee paid for this instruction can be an individual's gift to the local museum.

Classes will be offered in the morning. afternoon, or evening in order to make sure that they will fit into everyone's schedule.

Registration begins today and will continue on weekdays from 4 to 6 p.m. at 303 Blue Ridge Rd., China Lake. Additional information can be obtained by calling Mrs. Jacks at 446-4748.



FESTIVE EVENT - Capt. William B. Haff, NWC Commander, was on hand last Friday to officiate at a ribbon-cutting ceremony which marked the opening of the annual WACOM Holiday Bazaar at the Community Center. He was joined by (I.-r.) Sue Byrd, chairman of the event; Sharon Zabel, president of WACOM, and a friendly Santa Claus. While there were a few less participating organizations involved in the 1979 bazaar than last year, the gross income for the busy, two-day affair totaled \$18,752 — up by slightly more than \$1,000 over that for the preceding - Photo by PH2 Tony Garcia

# Maturango Museum director will discuss Iran at reception Mon.

A double-barreled treat is in store for destan to Khorassan; visits with Bakhturs members and friends of the Maturango and Baluchis, Qash-Qais and Azeris." He Museum on Monday, starting at 7 p.m., when a reception will be held to welcome the museum's new director, Bob Tuck.

Tuck will also give a talk and show slides Esfahan. about the country of Iran, where he spent the past eight years.

The evening will begin at the Burroughs High School multi-use room, where local residents will have the opportunity to meet Tuck and share refreshments provided by the Maturango Museum Docents. Members of the museum's board of trustees will also be present and happy to share information about the plans to build a new building in Kern Regional Park.

Then at 8 p.m. Tuck's presentation of "Iran: A Personal View" will begin in Burroughs High lecture center. This program will be free of charge and will offer some first-hand insights on a topical and intriguing land.

Tuck promises to offer "reflections on nearly eight years of living and working in 'Persia' until the recent toppling of the fabled Peacock Throne, with comments upon Iranian life, history, society, mythology, religion, and influences on our own Western ways and beliefs."

"In essence," he explained, "this will be a ramble from Tehran to Tabriz, and Kor- calling Ms. Hape at NWC Ext. 2942.

also promises a stroll along the shores of the Caspian, a walk amid the Turkamen Plains, and wanderings through the bazaars of

The Maturango Museum's board of trustees emphasizes that this evening's activities offer an excellent way for members of the community to meet Tuck. The latter is a knowledgeable museum director with over 13 years of administrative, planning, curatorial, technical, and field experience. He has stimulating ideas about the future of a highquality natural history museum in this

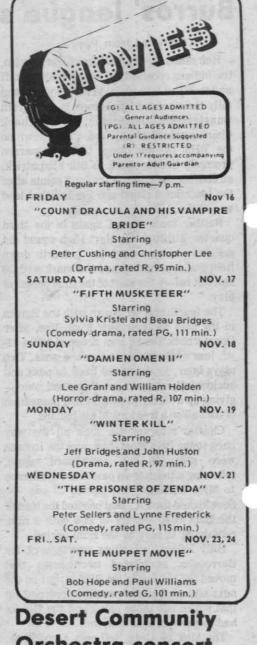
### Class to be offered in art of leather carving

Registration is now open for a six-week course in leather carving that will be held on Thursdays, from 6:30 to 8:30 p.m. starting on Nov. 29 at the Ceramics Hobby Shop - located behind the old Station Restaurant at Blandy Ave. and Lauritsen

The course will be taught by Carol Hape, and there is a \$10 fee. All leather carving tools will be available for use free of charge. Additional information can be obtained by



ROCKY JOURNEY — Jean Bennett examines the beginning of a crack in a rock that the Incas were readying for use as a building block; Inca rocks were cracked and joined so smoothly that not even a knife blade can be thrust between massive blocks. Hal and Jean Bennett, Pat Sorensen and Jim Nichols will show slides and movies of their trip to Peru at the Burroughs High School lecture center on Tuesday evening at 7:30. Their free program is sponsored by the China Lake Photographic Society, and is open to the public; it was previously shown in July under the sponscrship of the Maturango Museum and is being shown again because of the number of requests from those who were unable to attend.



# Orchestra concert slated Mon. night

A widely varied program of instrumental music selections will be presented by the 45member Desert Community Orchestra on Monday, starting at 8 p.m., in the Cerro Coso Community College lecture hall.

This, the orchestra's first concert of the 1979-80 season, is open to the public free of

Under the leadership of Al Turriciano, Cerro Coso College's director of music, orchestra members have been practicing one evening a week for three hours since September for Monday night's program, which will open with the playing of the rousing "Washington Post March" by John Philip Sousa.

Other selections to be played during this concert, which is sponsored by the American Federation of Musicians, are "English Folksong Suite" by Ralph Vaughan Williams, "Night on Bald Mountain" by Modest Mussorgsky, Leonard Bernstein's "Overture to Candide," and the 'New World Symphony" by Anton Dvorak.

### Astronomy gp. to host star party this evening

A free public star party, sponsored by the China Lake Astronomical Society will begin tonight at 8 o'clock at the Sandquist Spa recreational area.

Weather permitting, telescopes will be set up for visitors to view such celestial objects as star clusters and gaseous nebulae within the Milky Way and the great spiral galaxy in the constellation Andromeda.

The turn-off to Sandquist Spa is located on Inyokern Road, five miles west of the maingate of the Naval Weapons Center. 2 U.S. Government Printing Office:

PLACE STAMP HERE



AMS3 Gerald L. Stallworth

# Stallworth earns Bluejacket of **Month honor**

Aviation Structural Mechanic Third Class Gerald L. Stallworth has won the coveted Naval Weapons Center's Bluejacket of the Month Award for October.

AMS3 Stallworth, who works on the Armitage Airfield Cold Line, has served as assistant safety petty officer, collateral duty inspector, and night supervisor, as well as being plane captain on both the U-9 and the T-39 aircraft.

In nominating him for the award, Lt. M. G. Backes, his line division officer, noted that AMS3 Stallworth's performance on the job was always of the highest caliber, and that he typified the kind of individual that this award is meant to recognize.

He was also commended for his many hours of volunteer work with both the Naval Weapon's Center's motorcycle safety program and with various Special Services Division programs for children at the Youth

AMS3 Stallworth, for instance, helped to build and run the Haunted House on skating rink.

He says that he particularly likes working with children between the ages of 5 and 12, although his own little girl, April Diane, is still considerably younger (she is 20 months old). The Bluejacket of the Month and his wife, Beverly Diane, are expecting a second (Continued on Page 3)

# **Public invited** to meeting on **AICUZ Program**

A public information meeting on the Navy's Air Installations Compatible Use Zone (AICUZ) Program has been scheduled on Monday, Nov. 26, starting at 7 p.m. in the Burroughs High School lecture center.

All aspects of the AICUZ Program will be explained for the benefit of residents and property owners of the greater Ridgecrest area, who are invited and urged to attend.

AICUZ is a concept of achieving compatible land use in non-government areas around military airfields.

Its purposes are to prevent incompatible development in high noise exposure areas, to minimize public exposure to potential safety hazards associated with aircraft operations, and to protect the operational capabilities of the air installation.

Present plans call for the meeting to be opened by Capt. William B. Haff, NWC Commander. Information about the AICUZ Program and its effect in the local area will then be provided and questions answered by Capt. Jon Ives, Public Works Officer; William Hattabaugh, head of the NWC Test and Evaluation Directorate; and Tom Dodson, the Center's Environmental Protection Officer.



November 16, 1979

# B-29 bomber restored, preparations made for trans-Atlantic flight to museum in Great Britain

A World War II B-29 bomber, which had been destined for use as a target for some of the advanced weapons and weapons systems of today, has received a reprieve.

Instead of being blasted to bits on the ground, it has been restored to flying condition and, at press time for this week's edition of The ROCKETEER, was in the final stages of preparation for the first leg of a flight that will take it to England. There it will become a part of the Imperial War Museum display at Duxford Airfield (about 8 mi. south of Cambridge).

Takeoff from Armitage Airfield had been scheduled Tuesday afternoon, but a lastminute problem with one of the aircraft's four engines made a postponement

On board in preparation for the takeoff that had to be delayed were the pilot and copilot Skip Creiger and Donald C. Davis. Creiger is a commercial pilot and Federal Aviation Administration (FAA) examiner from Tucson, Ariz., and Davis is a commercial pilot from Flint, Mich.

Jack Kern, manager of Aero-Services in Tucson, the contractor who worked with his employees on restoration of the B-29, was on board as flight engineer, along with his wife, Millie. Also in the WWII bomber as it started to taxi toward the runway were J. R. Kern assistant flight engineer, and Dino Kern and Henry Zappia, all employees of Aero-Services; and Bob Weinhardt, an Halloween, and has assisted at the roller NWC employee who is an electrical and electronics expert, rounded out the crew.

Work Started Last June

Restoration work on the B-29 Superfortress, which was donated to the museum by the Naval Air Systems Command, began in mid-June under a contract awarded by the Imperial War Museum to Aero-Services, a firm with proven experience in B-29

Between 1969 and 1970, this same company (headed by Jack Kern) rebuilt a modified Navy B-29 and returned it to standard configuration. Additionally, in 1971 Aero-Services personnel restored a B-29 from the scrapyard at China Lake prior to its flight to the Confederate Air Force Museum at Harlingen, Tex.



of a restored B-29 Superfortress.

Last January, Geoff Bottomley, the Imperial War Museum's chief engineer, flew to the U.S. to inspect B-29 aircraft that were available

For several months prior to that time, the museum's Department of Exhibits and Firearms (which was handling the acquisition) investigated the various alternatives available for moving the aircraft. These were combinations of road haulage and air or sea freight. This would have entailed stripping the aircraft into its main component sections and crating them

Alternative Suggested

In December 1978, Aero-Services of Tucson, which had been asked to submit an estimate on the cost of dismantling the aircraft, suggested that a better alternative would be to fly the aircraft to Great Britain. This, it was noted, would remove the danger of damage and distortion that was inherent in a process of dis-assembly and reassembly of the aircraft. It also was felt that sea travel would involve a risk of salt water corrosion

Although flying the aircraft has increased the cost of its preparation for the trip from China Lake to its ultimate destination, it is less expensive than transport by any other means, Bottomley reported.

As the Imperial War Museum's representative, Bottomley watched over the

restoration process, and also traced spare parts, in addition to researching the history of this particular B-29.

Weather conditions on the desert were not helpful when it came to the matter of restoring the B-29 aircraft that is destined for display by the Imperial War Museum in England, Bottomley reported. Strong winds and dust storms made it necessary to remove an estimated 1,500 lb. of sand from the interior of the aircraft.

Parts Hard To Find

In addition, the chief engineer from the Imperial War Museum stated that getting spare parts and equipment needed to put the aircraft in flying condition has been another of the major problems which had to be overcome and is still being worked on.

One of the final bits of work here before the final preparations for takeoff involved replacing the outer wing on the port side because of corrosion that was found.

Before that, however, it was necessary to reconnect the aircraft controls and provide and install many of the instruments that were missing; re-cover the flying control services with fabric; clean up the interior and give a thorough greasing to all moving parts. In addition, broken glass in the nose cone had to be replaced and tires obtained for the landing gear.

(Continued on Page 4)



be put on the B-29 aircraft before it leaves this country destined problems, the aircraft was still on the ground Friday morning.

CREW ASSEMBLED — A short time before take-off from Ar- for England. Ready to go as this photo was taken are (I.-r.) Skip mitage Airfield of the B-29 was delayed Tuesday afternoon by a Crieger and Don Davis, the pilot and co-pilot, respectively; Jack mechanical problem, crew members assembled ready for the Kern, flight engineer, and his wife, Millie; Bob Weinhardt, J. R. flight from here to Tucson, Ariz. In Tucson, the final touches will Kern, Henry Zappia, and Dino Kern. Due to mechanical



READY FOR NEW YEAR — Girl Scout calendars will be on sale from now until Nov. 27 at \$1.25 each. Making a sale to Bob Hillyer, NWC Technical Director, and Capt. Bill Haff, NWC Commander, are (I. to r.) Kimberley Finder, Donna Meeks and Wendy Meeks. The calendar sale project is carried on as a service to the Joshua Tree Council, which provides support to the troops through training programs and other activities. Anyone who wishes to purchase a calendar and has not been contacted by local Girl Scouts or Brownie Scouts may obtain one by telephoning the calendar chairman at 446-5649. — Photo by PH2 Tony Garcia

# **Community Thanksgiving service set** Sunday night at Church of Nazarene

A community Thanksgiving service, Day Adventist Church, respectively. arranged by the Indian Wells Valley Ministerial Fellowship, will be held on Sunday, starting at 7 p.m., at the Church of the Nazarene, 571 N. Norma St., Ridgecrest.

Capt. F. E. Whitaker, NWC senior chaplain, will deliver the sermon, and the invocation and welcoming remarks will be presented by the Rev. Ira True, pastor of the host church.

Congregational singing will be led by the Rev. Herbert Schneidau, Jr., pastor of the Foursquare Gospel Church in Ridgecrest, who is president of the IWV Ministerial Fellowship, and the choir of the Immanuel Baptist Church (led by Rich Fowler) will sing "The Harvest Carol."

Included among the leaders from other churches in the local area who will have a part in this community Thanksgiving service are the Rev. Ray Williams, pastor of the First Baptist Church in Ridgecrest, who will present the call to worship; and the Rev. Larry Kassebaum, pastor of the Grace Lutheran Church, who will lead the

egation in prayer. In addition, there will be Scriptural readings from the Old and New Testament by the Rev. John Patterson, rector of St. Michael's Episcopal Church, and by Rev. Sherman Jefferson, pastor of the Seventh-

The offertory prayer will be delivered by Rev. Eugene Royal, associate pastor of the Immanuel Baptist Church, and the service will be closed with the benediction by Rev. Mickey McDowell, pastor of the Immanuel Baptist Church.

The goodwill offering that is to be collected from those in attendance at the community Thanksgiving service will be divided equally — with half of it earmarked for the aid of a local family brought here from Vietnam and the other half going to the Salvation Army.

### Rocketeer has early deadline next week

Because of the Thanksgiving Day holiday next Thursday, it is necessary to move up the deadline for receiving information on stories to be published in the Friday, Nov. 23, issue of The ROCKETEER.

Instead of the regular deadline of Tuesday at 4:30 p.m., all information must be received no later than 4:30 p.m. on Monday for articles that are intended for use in the Nov. 23 issue of the Naval Weapons Center newspaper.

# The Rocketeer

Official Weekly Publication **Naval Weapons Center** China Lake, California Captain W. B. Haff **NWC Commander** R. M. Hillyer Technical Director Bernard F. Connolly Acting Head **Technical Information Department** Don R. Yockey

Mickey Strang Associate Editor Beverly Becksvoort Editorial Assistant Ron Allen

Staff Photographer



**News Stories** Tuesday, 4:30 p.m Tuesday, 11:30 a.m.

**Photographs** 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 NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003.

# **Promotional opportunities**

rent 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 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this olumn, 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 096 or 097). Advertising positions in the otional 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.

Budget Clerk, GS-501-4/5, PD No. 7808079N, Code 0841 -Branch, Management Information Systems Division of the Office of Finance and Management. The incumbent to this position will be responsible for coordinating the cent, alized job order input/output and fund document acceptance processes for NWC. Duties include assuring the accuracy of information provided by departments on job orders, assuring the accuracy and completeness of the Master Job Order file, reviewing RCP's for compliance with NAV-COMPT regulations, and aiding RMA's in submitting job orders and allocations. Job Relevant Criteria: Knowledge of Navy and NWC budgeting and accounting procedures: ability to work effectively with people; ability to interpret nstructions. (Previous applicants need not re-apply.) File applications for the above with Terry George, Bldg.

ROCKETEER

Personnel Clerk (Typing), GS-203-4/5 or Clerk-Typist, GS-322-4. PD Nos. 7465015/7000007. Code 096/097 - This position is located in one of the Personnel Service Divisions following duties for a major department(s): Processes all actions affecting appointments, promotions, pay adustments, separations, retirements, etc.: Performs nonompetitive qualification ratings, processes classification actions and maintains associated files and records. Job Relevant Criteria: Ability to deal factfully and effectively with all levels of NWC employees; ability to work under stress and pressure; ability to plan, organize, and accomplish work independently; ability to perform a variety of clerical functions; ability to type accurately and etficiently; ability to comprehend and apply regulatory information. Promotion potential to GS-6.

Supervisory Mathematician/Physicist/EE, GS-1525/1310-12 or 13, PD No. 7939113E, Code 3922, Missile Software Branch - (GS-13 subject to classification with technical and administrative supervision of the branch, program management of experimental systems, system design and development, and documentation of branch projects. Performs, directs and advises on missile-related mathematical models. Assists in the validation of software designs. Coordinates efforts with other NWC groups, SYSCOMS, contractors, etc. Job Relevant Criteria: Ability to program in both assembly and compiler languages, knowledge of digital technology and programming con straints involving command and control interface with weapons, operators and detection sensors, experience monitoring contractor efforts: ability to communicate both orally and in writing; willingness to travel extensively (30-40%). Previous applicants need not apply

File applications for the above with Kitty Berry, Bldg. 34,

Secretary, GS-318-4, PD No. 7926068, Code 2602 -Position is located in the Public Works Department, Staff Office. Incumbent will assist the Head of Staff by providing secretarial support in the areas of correspondence contro administration of awards program for the department, liaison with the Personnel Department and control of personnel action requests, maintenance of various records and files for the office, fimekeeping, scheduling of meetings and conferences, and generation of various reports. Job Relevant Criteria: Ability to organize and coordinate the work of the office: knowledge of correspondence procedures; knowledge of the staff func tion; ability to handle work contacts; ability to work in endently. Position has promotion potential to GS-5.

Shop Planner (Electrician), WD-2805-5, JD No. 555, Code 26403 — This position is in the Public Works Department Maintenance-Utilities Division. The incumbent plans for the Electric Section, processes all shop orders and job orders for his shops; orders standard and non-standard equipment; checks that all necessary material to complete the work is in stock, orders materials, reviews prints. sketches, or other instructions with shop or craft supe visor: keeps records of all labor charges and progress of work; performs related work as assigned. Job Relevant Criteria: Ability to facilitate production; technical practices; ability to interpret instructions, specifications, etc.; knowledge of pertinent materials; knowledge of

Plumber, WG-4206-9, JD No. 209, Code 26415, (Two vacancies) - This position is located in the Public Works The incumbent is required to lay out, assemble and install pipes and fittings for the following heating systems; hot water, domestic water, steam and power air (high and low pressure) or any job that requires pipe fittings regardless of materials used. The incumbent sets, hangs, or installs plumbing fixtures, hot water tanks, heating boilers. The incumbent will be required to test, maintain and repair all piping systems. Job Relevant Criteria: Ability to do the work of the position without more than normal super vision; knowledge of equipment assembly, installation, repair; technical practices; ability to interpret instructions, specifications, measurement and layout; ability to use and maintain tools and equipment;

Mobile Equipment Servicer, WG-5806-5; JD No. 528N, Code 2674 — This position is in the Public Works Department, Transportation Division. The incumbent performs semi-skilled work in connection with the routine maintenance and servicing of automotive equipment. The inpent services, lubricates, and drives automotive vehicles and trucks; services with fuel, oil, water, air, and anti-freeze; changes and repairs tires and tubes; services and changes batteries; checks brakes, fan belts, etc.; washes and waxes sedans; washes and steam cleans vehicles, and performs other duties as required. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; ability to service and maintain vehicles: ability to use manuals, specifications, catalogues, etc.: ability to use measuring equipment; ability to use hand and power tools troubleshooting and testing.

File applications for the above with Lucy Lambert, Bldg. 34. Rm. 212. Ph. 2032. Mobile Equipment Servicer, WG-5806-5, JD No. 528N, Code 2674 — Temporary not to exceed one year. The pur-

temporary (not to exceed one year) Automotive Meci vacancies. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept currently on Civil Service Register, and Individuals not on registers who have skills necessary to qualify for this Transportation Division. The incumbent performs sem skilled work in connection with the routine maintenance services, lubricates, and drives automotive vehicles and trucks; services with fuel, oil, water, air, and anti-freeze; batteries; checks brakes, fan belts, etc.; washes and waxes sedans; washes and steam cleans vehicles, and performs other duties as required. Job Relevant Criteria: Ability to do the work of mobile equipment servicer with more than normal supervision; ability to service and maintain vehicles: ability to use manuals, specifications, catalogues, etc.; ability to use measuring equipment ability to use hand and power tools; troubleshooting and

File applications for the above with Kate Clark, Bldg. 34,

Visual Information Specialist (Presentations), GS-1084-11, PD No. 7934020 E, Code 3463 — This position is located Field Service Branch No. 1, Field Service Division, Tec cal Information Department. Incumbent plans and deve ops layouts, sketches, and final artwork for complex technical briefings and presentations. Other duties include brochure preparation and illustration of technical publications. Job Relevant Criteria: Skill in oral communications; skill in illustrating abstract technical con cepts: skill in designing and creating art work; knowledge of publication art and brochure preparation

Rm. 208. Ph. 3118.

Electronics Engineer, GS-855-9/11/12, PD No. 7835110/7935076/7935077, Code 3512 — This position is in the EW Analysis Branch, Systems Sciences Division, Electronic Warfare Department Incumbent designs simulations and tests involving the employment of elecsimulations or hardware components of threat systems Also analyzes the capability of U.S. Navy active coun test and evaluation. Job Relevant Criteria: Experience in use of laboratory testing, measuring and recording equipment; knowledge of operational Navy airborne EW systems; experience with military RDT&E organization Knowledge of the use of intelligence publication

Interdisciplinary Position, Electronics 12, PD No. 7935022E, Code 35063 - This position is in the System Engineering Group, HARM/Standard ARM Technical Management Office, Electronic Warfare Department. An incumbent is the HARM Electronic Warfare (EW) Project Engineer responsible for the integration of the HARM Weapon System and various EW nent (AN/APR-43, AN/ALR-67, AN/ALQ-126, AN/ALQ-126B, AN/ALR-45F) associated with the A-7, F 18, and A-6 aircraft. Job Relevant Criteria: Knowledge of



# DIVINE SERVICES

Sunday Worship Service Sunday School—All Ages Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant. mmunion Service first Sunday of the Month

ECUMENICAL Wednesday Noon Bible Study Thursday Men's Prayer Breakfast 0630

ROMAN CATHOLIC MASS 0830-1130 Nursery, Chapel Annex 1

0815-1245 Daily except Saturday, 1135, Blessed Sacrament CONFESSIONS

1115 to 11 RELIGIOUS EDUCATION CLASSES Sunday Pre-school thru 11th grade Above classes are held in the Chapel Annexes

across from the former Center Restaurant. Sunday afternoon 12th grade As announced "In Home" Discussion Groups and Youth Rallies Contact Chaplain's Office for specifics.

JEWISH SERVICES EASTWING -ALL FAITH CHAPEL Sabbath Services every Friday UNITARIANS CHAPEL ANNEX 95

Services-(Sept. May)

Burros' league season finale. .

(Continued from Page 6)

Refreshed by the halftime intermission, the Indians received the second half kickoff and took just four plays to roll 70 yards and tally their second touchdown. A pass from Quarterback Jennerson to Halfback Charles gained 43 yds. and a first down on the BHS 18, and from there Jennerson promptly fired a strike to Bill Fitzpatrick, an end, for the score. A try for 2 points after the touchdown failed and the Indians' lead

Neither team scored again in the third quarter, although the Hart High squad did get down close enough for a fourth down field goal try that missed the mark with 30 sec. left before the start of the final period of

The fourth quarter began with the Burros in the hole on their own 8 yd. line, after Quarterback Drake was dropped for a 12yd. loss while trying to throw a pass. Two plays later, Drake faded back to pass and changes hands accidentally stepped out of the end zone giving up a safety (2 points) and possession of the ball on a free kick to the Indians.

Charles returned the kick all the way back to the BHS 28 yd. line, and the Indians were soon on the scoreboard again, following a touchdown pass from Jennerson to Mike Maccaco that gained 25 yds. De-Seve kicked the PAT that boosted the lead of the Hart High varsity to 24-0 with 9 min. remaining to play in the final period.

Billy Brown, substitute quarterback for Burroughs, completed two passes that moved the ball out to the BHS 42, but on the next series of plays penalties cropped up that wiped out these gains and the Burros had to punt on fourth down.

The kick by Greg Bell was a good one, forcing the Indians all the way back to their own 20 at which point they mounted their final scoring drive of the game.

# Office established to help coordinate recreation activities

A new Recreation Coordination Office has been established by the NWC Special Services Division and will go into operation next Wednesday, Nov. 21, in the Bennington Plaza office complex occupied by Special

Personnel assigned to the Recreation Coordination Office will collect Athletic Association membership and gym locker rental fees, handle registration for adult and youth sports activities and recreationrelated classes, provide information on Special Services Division programs and activities, and sell tickets for tours and other special events.

The above-listed services will no longer be handled at the Center gym or the Community Center.

Once the Recreation Coordination Office is set up and operating (next Monday and equipment), its hours of operation will be Monday through Friday, from 9 a.m. to 6

### 10-km. race. . .

(Continued from Page 6) Other medal winners in the various divisions of the 10 km. race, and their times,

Young men, 15-to-29 years old — Andy Haaland (37:54), Richard Lord (40:44), and Glen Banister (51:52).

Boys, 14 years of age and under - Bill McMahon (50:19). Young women, 15-to-29 years old - Chris

Hueber (49:40), Sharon Banister (53:20), and Betty LaJeunesse (53:31). Women, 30 years of age and over-Dianne

Lucas (48:19), Joan Smith (50:09). The OTHTC's next race will be a 3-mile

turkey trot on Thanksgiving Day at the Kern. Regional Park in Ridgecrest. Registration will start at 9 a.m., and the race itself will get underway at 10 o'clock. At stake will be merchandise prizes that will be awarded based on handicaps to be drawn by each of the entrants.

Two penalties cost the Burros 20 yds., a pass from Jennerson to Fitzpatrick gained another 20 yds., but the payoff came on a aerial from Jennerson to Fitzpatrick when it appeared that with fourth down and 10 at the BHS 30 the Burros might prevent

ROCKETEER

Fitzpatrick was in the open again, however, and was able to catch the ball and go into the end zone on a 30-yd. touchdown play. The PAT by DeSeve with 11/2 min. left to play in the game made the final score 31-0 in favor of the Hart Indians.

One more first down on a run by Mike Waters, who was stopped at the BHS 45 yd. line, was all that the Burros could muster in the way of offense before the gun sounded ending the game.

# **Lead in Premier Bowling League**

Ten weeks into the current season, the Triangle Mobile Homes (formerly Western . Columbia team) has moved into first place in the Premier League, following last Monday night's action at Hall Memorial

The Triangle Mobile Home keglers registered a three-game sweep over The Place, the squad which has been holding down first place for the past several weeks but has now dropped back to a second - just one game off the pace.

Team honors on Monday night were garnered by the Clancey's Claim Co. bowlers, who had a 962 high team game and a 2,822 high team series.

Just two Premier League bowlers topped the 600 series mark for the night. They were Chuck Rouland, whose triple 200 series (233, 218, and 234) gave him a total of 685, and George Bowles, who rolled a 608 series.

In addition to Rouland, those with single game scores of more than 220 were Dean Meyers (226), Edd Creer and Roy Canfield (224), and Bowles (222).

# Youth soccer league teams to resume play on Saturday

Following a break in the schedule due to the Veterans Day holiday weekend, Youth Center Soccer League teams will resume action tomorrow.

Nine games are on tap, and the schedule

At Schoeffel Field - Earthquakes vs. Chiefs. 9:30 a.m.: Soccer vs. Express, 10:30 a.m.; and Rowdies vs. Fury, 11:30 a.m.

At Davidove Field - Strikers vs. Lancers, 9 a.m.; Rogues vs. Timbers, 10 a.m.; Sting vs. Blizzard, 11 a.m.; Hurricane vs. Drillers, 12 noon; Kicks vs. Sounders, 1 p.m.; and Tornadoes vs. Whitecaps, 2:30

Youth Center Soccer League teams will be launching the final three weeks of league play tomorrow. Due to another break in the schedule on the Saturday following Thanksgiving, league play will end on Dec.

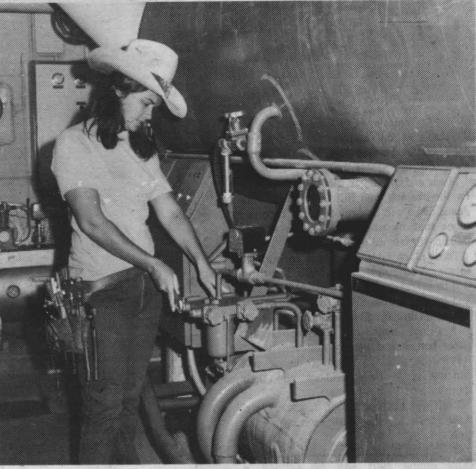
### Cards for mailing W-2 forms to be distributed

W-2 address cards for 1979 will be distributed to civilian employees of the Naval Weapons Center along with paychecks that will be distributed next Friday, Nov. 23.

These cards will reflect the address currently on file for mailing W-2 Wage and Tax Statements to Centerites.

If this address is correct as printed, further action is not required. However, if the address is incorrect, employees should note the correction in the space provided on the card, which is to be returned to the Payroll Office (Code 08641) no later than Dec. 1.

This must be done to insure that the W-2 form is mailed to the correct ad-



APPLYING HER TRADE - Ann Stark, who is the first woman in the NWC Public Works Department to complete training in a trade and become a journeyman, adjusts a valve on one of the absorbers for air conditioning in the building housing the Naval Regional Medical Branch clinic. Ms. Stark is rated as an air conditioning and refrigeration mechanic after having finished four years of on-the-job

# Ann Stark 1st woman in Public Works to get journeyman status

in the history of the NWC Public Works Department to rise through the stages of helper and intermediate to the rate of journeyman in a trade. She has become a fully rated air conditioning and refrigeration equipment mechanic.

Currently six other women are also learning trade skills: Two are learning to become electricians; two, high voltage linemen; one, a sign painter; and one other, an air conditioning and refrigeration mechanic.

And, says Jim Crista, head of the Maintenance-Utilities Division of the Public Works Department, he hopes that other women will consider applying for openings in the various trades as well.

"They will receive no special treatment." he says, "but they will have totally equal opportunity. Journeymen pay rates currently begin at \$8.45 an hour, with skill.

Ann E. Stark has become the first woman definite promotion potential, including even into management, for journeymen who are so inclined."

Ms. Stark was a secretary when she applied for work as an air conditioning helper in September 1975. She had been working as a secretary at NWC for two years, and felt that she would prefer work that was not just indoors and that was not as confining as secretarial duties.

Her training has included formal classes at Cerro Coso Community College and at the Training Center at NWC, but the majority of the training has been on the job.

Training covered such subjects as refrigeration, automotive air conditioning, oxygen and acetylene welding, basic controls theory and controls circuits, and basic electricity. Her supervisor, Jim Williams, notes that Ms. Stark has done well in all her training and that she accepts her assignments with pride and completes them with

# Promotional opportunities . . .

(Continued from Page 2)

aircraft; ability to interface effectively with conicate results of efforts orally and in writing. Mechanical Engineer/Electronics Engineer/Aerospace

Engineer/Physicist, GS-830/855/861/1310-9/11/12, PD Nos. 7835044/7835125/7835126, Code 3551 - This is an interdisciplinary position in the EW Projects Office, Countermeasures Division of the Electronic Warfare Department. The incumbent serves as a Project Engineer for specific flight tests and is responsible for the design and development of testing techniques and procedures. Incumbent initiates test plans and detailed specifications and provides cost estimates for the EWTES customer Monitors data reduction activities and performs mathematical analyses of the reduced data. Is required to interface with representatives of various companies and military activities. The duty station is the Randsburg Wash Test Site. The division is under a "first 40 hours" work schedule, as a result, a typical weekly schedule is a 10 hour day, Monday through Thursday, Navy transportation is available to and from the worksite. Job Relevant Criteria: Knowledge of electronic warfare and related fields. knowledge of ground-based radar systems; knowledge of data analysis and reduction; ability to communicate effectively, both orally and in writing; ability to work effectively with people of widely differing personalities.

Electronics Engineer, GS-855-9/11/12, PD No. 7935061E, Code 3553 — 2 Vacancies — Position is located in the Land Threat Evaluation/Development Branch, Countermeasures Division, Electronic Warfare Department. Incumbent analyzes and designs radar circuitry required to integrate major subsystems into functioning radardirected weapons systems. The engineer also develops operational and diagnostic software and integrates software simulation of the associated weapons to complete the eapon integration. Incumbent devises and evaluates tests of the systems. Dufy station is the Randsburg Wash Test Site. The Division is under a "first 40 hours" work schedule: as a result, a typical weekly schedule is a 10 hour day, Monday through Thursday. Navy transportation is available to and from the worksite. Job Relevant Criteria:

tractors/government personnel; ability to clearly com- develop and evaluate simulators; ability to communicate effectively both orally and in writing: ability to deal et fectively with personnel at all levels.

File applications for the above with Janet Thomas, Bldg 34, Rm. 204, Ph. 2577.

Engineering Technician, GS-802-9/10, PD No. 7964036, Code 6412 — This position is located in the Product Support Branch of the Parachute Engineering Division. Incumber reviews service deficiency reports to isolate, identify and systems. Incumbent conducts continuous maintenance engineering investigations utilizing technical deficiency service data generated by the 3M system, from QDRs, from URs, from aircraft accident reports, etc. Is responsible for managing and monitoring the automated program for storage and retrieval of 3M data. Job Relevant Criteria: Knowledge of aircrew survival equipment and/or parachute systems; knowledge of the elements of aircraft/aircrew inspection, overhaul maintenance and repair; ability to communicate et fectively both orally and in writing; ability to deal effectively with all levels of personnel on Center, at other DoD activities, and with contractors.

Aerospace Engineer, GS-861-11/12, Mechanical Engineer, GS-830-11/12: PD No. 7964011, Code 6422 - This position is located in the Test Support Branch, Tes Engineering Division, Parachute Systems Department. The incumbent is the staff engineer responsible for providing technical engineering support to the branch. The ment in area of test vehicle designs and/or modification. assists in obtaining flight clearance for testing of various vehicles; analyzes engineering test data for determination of significant dynamic performance characteristics. Job Relevant Criteria: Knowledge of aircraft, missile or tes vehicle design: knowledge of aerodynamics, aircraft structures and store separation problems; ability to communicate with all levels of technical personn

File applications for the above with Bonnie Owens

Bldg 34, Rm. 204, Ph. 2577.

RAIDERS WIN BIG GAME — Something had to give when two previously un-

defeated IWV Youth Football League Senior Division teams tangled last Saturday

for the division title in a game played at the Burroughs High School athletic field.

The Raiders, led by the passing of Daniel Means, who tossed two touchdown

passes, defeated the Giants 24-8. During this bit of action in the Senior Division title

clash, Terence Hall (No. 31) carries the ball for the Giants on an attempted left end

sweep. Blocking out in front of the ball carrier is Randy Aguon (No. 43), while

Keyin Blecha (No. 19), the Giants' quarterback, is trailing the play. Defenders for

the Raiders moving into position to bring down the ball carrier are Tim Chantler

(No. 83), linebacker, and Jamie Graus (No. 74), a tackle for the Raiders.

A group of 52 distance runners entered the

Over-the-Hill Track Club's (OTHTC) sixth

annual 10 kilometer race, which was held

Weather conditions were perfect for the

race, which started and finished at the

Center gymnasium and followed a course

The first entrant to cross the finish line

was Marshall Matye, of the Basin Blues

Track Club, whose winning time was 33

min., 49 sec. While this was not a course

record, Mayte was well ahead of Tom

McMahon, from the OTHTC, who placed

second in 34:53. Right behind McMahon in

third was Paul Tjogas, whose time was

laid out along residential streets.

this past Saturday.

Results reported of Over-Hill Track Club's

# nwc rocketeer

**Recreation Roundup** 

# Boxing matches in San Diego open to military personnel

Boxing matches, hosted by the Naval Station, San Diego, will be held on Friday, Nov. 30, and also on Friday, Dec. 14.

Active duty military personnel at the Naval Weapons Center who wish to compete can make arrangements to do so by contacting Paul Baczkiewicz, athletic director, by calling NWC Ext. 2334 or 2571. The deadline is Tuesday, Nov. 20, for the Nov. 30 bouts, and Dec. 4 for the matches that will be scheduled on Dec. 14.

### Water Exercises Classes

A five week series of water classes, taught by Joan Renner, will begin next week at the indoor swimming pool in the

One group will meet on Mondays and Wednesdays (starting Nov. 19) from 9 to 10 a.m., and the other class will be held on Tuesdays and Thursdays (starting Nov. 20) from 1:15 to 2:15 p.m.

There is a registration fee of \$20 for each class. Additional information can be obtained by calling the Center gym, phone NWC Ext. 2334 or 2571.

Youth Basketball Program

Sign-ups for the youth basketball league season have been extended until next Friday, Nov. 23.

Youngsters 71/2 years of age through high school who are members of the Youth Center are eligible to participate in this program. There is a fee of \$13.50 per player to cover the cost of team T-shirts and other

Registration of youth basketball league players is being handled at the Special Services Division office.

### Men's Golf Meeting

A meeting of the China Lake Golf Course men's club will be held at the clubhouse on Tuesday at 6:30 p.m.

A movie of the 1978 PGA tournament will be shown, and a nominating committee to select a slate of officers for the upcoming election will be selected. Most of the facilities of the club will be available during 34:54. the evening.

# Burros, Antelopes to clash in Golden League finale

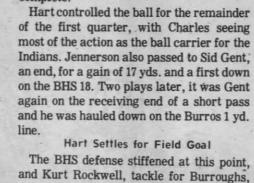
Burroughs High School's varsity football teams from Burroughs are hoping to end quarterback, who completed 15 out of 19 team, coming off a 31-0 loss to the Hart High their seasons on an upbeat by defeating the School Indians last Friday night at the College of the Canyon stadium near Valencia, will wind up the 1979 Golden League football season by hosting the Antelope Valley High School squad tonight. Kick-off time is 8 p.m. for the varsity

contest, which will be preceded by a sophomore tilt starting at 5:30. The Burros sophs, who have done well in league action this year, were shut out 21-0

visiting Antelopes.

The Indians' varsity squad demonstrated why it is holding down first place in the Golden League standings by combining a solid running game with a great passing attack last Friday night.

The Indians scored in every way possible - including a safety - as they dominated every facet of the game. Hart was led by Joey Charles, a speedy, hard-running halfback, who gained 107 vds. in 23 times by their counterparts from Hart High. In view of this, both the varsity and sophomore with the ball, and by Joe Jennerson,



passes for 239 yds. and three touchdowns.

scoring, twice in the first half. After

receiving the game-opening kickoff, they

moved the ball from their own 27 to a first

down on the Hart 29, where they gained 5

the ball on a fourth down pass that fell in-

yds. on two running plays and then gave up

The Burros threatened, but fell short of

and Kurt Rockwell, tackle for Burroughs, broke through to drop Charles for a loss back to the 5 on the next series. On fourth down, the Indians were forced to settle for a field goal by Steve De Seve from the 10 vd. line. This put Hart out in front 3-0 early in the second quarter.

The Hart recovery of a fumble by Burroughs on the BHS 40 in the first series of plays that followed the kickoff to the Burros gave the Indians good field position, and they took advantage of it.

Going to the air, Jennerson completed two passes to Tony Rodino - the second one on the BHS 25 - and then found Gent open on another pass completion that moved the ball to the Burroughs 1 yd. line. Jennerson was stopped inside the 1 on a quarterback keeper, but Charles plunged over for the touchdown on the next play and Hart led 9-0 midway through the second period.

Burros Threaten Again

The Burros' second scoring threat of the first half developed following this touchdown. Taking the ensuing kickoff from their own 34, the BHS varsity soon was knocking at the door with a first down at the Indians' 26. However, a dropped pass at the goal line and a fourth down scramble by Richi Drake, quarterback for the Burros, who was stopped just short of a first down at the Hart 17, ended the drive.

(Continued on Page 7)

# 3 teams tied for lead in Captain's Cup competition

All three teams are now tied for first place with nine points each in the Captain's Cup athletic competition standings, following the recently held pistol marksmanship and trap and skeet com-

The NWC Blue team (Code 612) won this event with a total of 1,345 points, compared to 1,306 for VX-5, and the third place effort of the NWC Gold team, whose score totaled 1,162.

The scorers in the pistol marksmanship event for NWC Blue, and their totals, were Dennis Wilcox (290), William Moss (270), Ricky Thompson (226), Craig Schillreff (207), and Roy Kirk (160). Their efforts resulted in a team score of 1,345.

VX-5 placed second with a total of 1,306 in the pistol event. The Vampires' top marksmen, and their scores, were Raymond Tapani (259), Allen Lidholm (39:13 and 39:33) as they placed fourth and (242), Mike Kocinski (234), Mike Arms (218), and Jim Day (196).

The NWC Gold pistol team's total tally of 1,162 represented the best efforts of the following: Harold Pheeny (283), James Clements (230), John Price (207), Marshall Hager (165), and Lance Graham (113).

In trap shooting competition, Kelly Haves and Mike Kocinski, of NWC Blue and VX-5, respectively, tied for first place with 22 out of a possible 25 clay pigeons, and Rubin Gomez, of NWC Gold, placed third with 19

Leaders in the skeet shooting event were Hayes and Irving Glenn, of NWC Blue, with 23 out of a possible 25; Gomez of NWC Gold, with 22 out of 25, and (for VX-5) Kocinski and Jim Day, each with 15 out of 25.



RIFLE VOLLEY FIRED — The Veterans Day program began with a rifle salute fired as the flag (which had been at half-staff in honor of this nation's war dead) was raised to the top of the mast. Members of the rifle honor guard are Bill Smith, Herb Hecht, and Charles Crum, all from VFW Ship 4084. — Photo by Ron Allen

# To help conserve gasoline, avoid spillage at service station pump

The fuel crisis is not going to improve, spew out through the filler pipe. according to Mike Toth, head of Production Control in the Public Works Department's Transportation Division, and officials at the Naval Weapons Center expect further cuts in the allocation of gasoline.

November 16, 1979

One way that Centerites can help to conserve available gasoline supplies is to avoid spillage while refueling government

This can be accomplished, Toth noted, by inserting the nozzle of the gasoline pump hose as far as possible into the vehicle fuel tank, since this will cause the gasoline pump's automatic shutoff device to be triggered earlier. Springs or coils on the nozzles are being removed to make it possible for those pumping gas to insert fuel pump nozzles deeper into vehicle gasoline

Spillage can be avoided and gasoline conserved by controlling the rate of fuel being pumped into a gasoline tank. The slower the flow, the less chance there is of any loss due to spillage.

If gasoline is pumped into a vehicle tank faster than air can escape through the vents, pressure inside the tank increases. When it builds up to the point that it exceeds the atmospheric pressure, both fuel and air

# **CSRA** demonstration project briefing scheduled Nov. 21

All Naval Weapons Center scientists and engineers, and other personnel in grades GS-13 through 15, are invited to attend a Civil Service Reform Act (CSRA) demonstration project briefing that will be held on Wednesday, Nov. 21, in the Center theater from 8 to 10 a.m.

Since there is every expectation that the demonstration project, planned by NWC and the Naval Ocean Systems Center, San Diego, will be approved soon by the Office of Personnel Management, NWC management will take this opportunity to discuss the current project implementation schedule and respond to questions from interested personnel as a prelude to Congressional review and local public hearings.

Those who will be available to answer questions and listen to comments from the audience will be Capt. William B. Haff, NWC Commander, Bob Hillyer, **NWC Technical Director, and members** of the CSRA demonstration project management team.

This, Toth reported, can result in as much

as one-third of a gallon of gasoline being lost while a gas tank is being filled. Vehicle fuel tanks should be filled only to

the point that the automatic shutoff is activated. This provides a vehicle with a sufficient amount of fuel without overfilling Since the temperature of gasoline in

underground storage tanks is about 60 degrees, it expands appreciably when heated up an additional 15 to 20 degrees. Consequently a vehicle gasoline tank that is filled too close to the top will overflow when the fuel heats up and expands.

To help conserve the amount of gasoline used here by government vehicles, all vehicle operators are asked to limit the number of miles driven by reducing un-

### Blueiacket. . .

(Continued from Page 1)

child "at any moment," with one doctor's estimate of due date being Oct. 31, and a second medical opinion holding that Dec. 1 will be the big date.

AMS3 Stallworth was born in Chicago, lived for 18 years in El Paso, Tex., and moved to Colorado Springs, Col., before joining the Navy 26 months ago. He had served as a police cadet and an ambulance dispatcher before following an older brother into the Navy.

"In fact," says AMS3 Stallworth, "I had followed my other older brother into the police work, but I didn't like that." He adds that he loves airplanes and hopes to go to air controllman's school as soon as he becomes eligible for that training.

Besides his time spent working with the young people on the Center, the Bluejacket of the Month and his wife enjoy fishing and camping, and have just bought a trailer tent in anticipation of next summer's outdoor activities.

For being selected as Bluejacket of the Month for October, AMS3 Stallworth and his wife will be the guests of a member of the Military Affairs Committee of the Greater Bakersfield Chamber of Commerce in Bakersfield.

When they are free to get to Bakersfield (depending on the arrival of the new baby), they will be given free lodging in a motel of their choice, with meals paid for by the Chamber of Commerce. They will also be guests of the Military Affairs Committee at a Friday morning breakfast meeting of that

# **Vets Day speaker recalls memories** behind patriotic holiday observance

The memories stirred up by the ob- ding names where Americans and their servance of Veterans Day, and the special honor due those men who made the supreme sacrifice in time of war, highlighted a patriotic address presented by Col. Erin D. Smith, USMC, guest speaker during the local observance of this national holiday last Sunday at the VFW Hall in Ridgecrest.

Col. Smith, who is the Marine Corps Liaison Officer at the Naval Weapons Center, recalled that following World War I Nov. 11 was set aside as a special day dedicated to the memory of those who had died in that massive conflict.

Formerly Armistice Day

In those days, he noted, it was called Armistice Day in the United States, while in Canada it was known as "Remembrance Day," and the British paid homage to the sacrifices of those who died in WWI on the Sunday nearest to the date of Nov. 11, which they called "Remembrance Sunday."

Twenty-seven years later (after World War II) Nov. 11 continued to be called Armistice Day, but the long list of honored dead had grown to include those who lost their lives in both World War I and World

It wasn't until after the Korean War had been concluded that the President signed a bill on June 1, 1954, which designated Nov. 11 as Veterans Day - a day to honor not only those who died in wartime, but also to give due recognition to all those who had served in this nation's Armed Forces.

### Memories Recalled

As one who was born between WWI and WWII, Col. Smith recalled that his personal memories about Armistice Day go back to hearing his father, and some of the men who fought with him in World War I, hashing over their war-time experiences and the pauses in their conversation as the names came up of those who had died on

World War II and the sacrifices the American people once again were required to make made a deep impression on him, Col. Smith said, since there were thousands of young men (some not too much older than himself at that time) who were called on to carry the fight to the enemy on the ground, in the air and over widespread oceans of the

His own career in the Marine Corps, the speaker continued, began as the Korean War got underway and those who are veterans of that conflict have memories, too, of far away places and strange soun- Ridgecrest.

allies fought and died.

But still there was a price to be paid by more servicemen during the struggle which erupted in Vietnam where, Col. Smith noted, the horrors of mines and defoliants and other more devastating means of destruction took their toll.

"In spite of all the deep seated feelings that were generated (by the Vietnam War), our nation once again became better as a result," the Vetrans Day speaker stated.

Col. Smith called upon those gathered for the local Veterans Day observance to pause and reflect upon these wartime hardships and sacrifices, as well as the devotion to



Col. Erin D. Smith, USMC **Principal Speaker** 

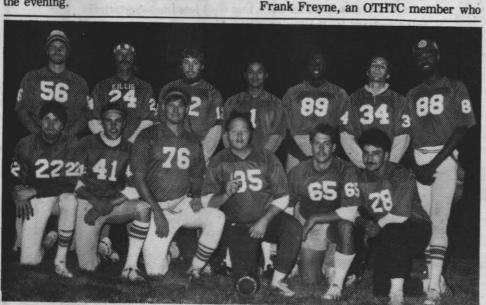
duty by servicemen and women in peacetime that has made this nation better as a result of their actions.

In closing he said: "As we go forth in the days ahead, let each of us pause and give thanks to those stalwart ones who have preceded us and hope that, someday in the future, our successors also can pause and say 'Thank you, old timer, for the beautiful world we have today."

Barney KinKennon, immediate past captain of VFW Ship 4084, was the master of ceremonies for the Veterans Day program. The brief observance included posting of the colors by members of the Desert Suns color guard, and the opening invocation and closing benediction that were delivered by the Rev. Sherman Jefferson, pastor of the Seventh-Day Adventist Church in



FINAL AUDIT - Dr. Ed Royce and Cdr. Gordon Carlburg, who were co-chairmen of this year's unprecedentedly successful Combined Federal Campaign, look over Marilyn Catlin's shoulders as she prepares the final audit for the CFC. By Wednesday, Nov. 14, a total of \$122,262 had been donated or pledged, with a few late returns still being received. Nearly 60 percent of NWC military and civilian personnel contributed. Local postal employees, who were included in the CFC, had a 100 percent contribution.



FLAG FOOTBALL CHAMPS — The Headknockers, led by quarterback Andy Price, dominated the China Lake Intramural Flag Football League — finishing with a record of nine straight wins. Members of the championship team, and the positions they played, are (kneeling, I-r.) Jim Carr (defensive end), Jerry Ghera (wide receiver), Leroy Nauman (offensive guard), Gary Fecteau (center), Rick Jones (offensive guard and middle linebacker), and Bart Garberdello (linebacker). Those standing (l.-r.) are Bill Lindhardt (linebacker), Gordon Gillie (running back), Price (coach and quarterback), Brad Domine (defensive back), Jerome Hiebert (defensive guard), Mike Hosmer (defensive end), and Barry Adams (wide receiver). Glen Polk, a running back, was unable to be present for

sixth annual 10 kilometer run held Nov. 10 has just turned 40 years of age, placed fourth overall. His time of 35:41 gave him a good lead over Mel Foremaster, who was clocked at 36:34 as he finished in fifth place.

Peggy Leahy, also of the Basin Blues Track Club, was the winner in the women's open class as she finished the 10 km. run in 43:34. Second place honors in the women's open division were garnered by Jerry Mumford (43:52), while Marla McBride, who has been putting in many hours of practice in preparation for the Rose Bowl Marathon in Pasadena tomorrow, finished

Out of the total of 52 entrants, 34 were in the men's 30-to-39 and 40-to-49-year-old age groups, which made the competition for awards extremely difficult in these two classifications, Dave Rugg, director of the

race, reported. ndt of the OTHTC, won the first place medal awarded to the winner in the men's 30 to 39-year-old age group. His winning time was 36:59, while second and third place honors went to Gary Dobrenz, of the Basin Blues Track Club, and to Jack Clark, an OTHTC runner. They were timed

at 37:41 and 38:02, respectively. James Furnish and Mike Mumford turned in their best efforts ever in the 10 km. run fifth in the competition between men in the 30-to-39-year-old age group.

John Starr, of the San Fernando Valley Track Club, turned in a fast 37:05 as he crossed the finish line first ahead of all other entrants in the men's 40-to-49-year-old age group. Second and third place medallions in this division were won by Werner Hueber (39:41) and Dave Rugg (40:29).

In the division for men 50 years of age and over, first through third place honors went to Gil Hinzo, of the Bakersfield Track Club (37:09), and Scotty Broyles and Dick Wisdom, both of the OTHTC, who were clocked at 39:40 and 43:18, respectively.

(Continued on Page 7)

B-29 restored. . .

(Continued from Page 1) Through the hot summer months the work went on in the barren, shadeless aircraft scrapyard, where contractor employees and Bottomley wrestled with the many and varied problems that had to be overcome in order to obtain flight certification from the Federal Aviation Administration for the old

The task of rebuilding the aircraft's auxiliary generating plant and the installation of control switches was some of the work handled by Bob Weinhardt, an electronics technician in the Explosives Technology Branch of the NWC Ordnance Systems Department. Weinhardt had been contacted by Bottomley for assistance when he learned of the Center employee's work here in preparing B-29s for use as targets. The important job of serving as liaison between NWC, the British purchaser and the contractor under the arrangements that were made for restoration of the B-29 was aken care of by Don Hart, logistics support nanager in the NWC Aircraft Department. Plans call for flying the B-29 to the airport at Mojave prior to proceeding to Tucson, where some internal equipment (including

that needed for communications) will be

installed before beginning the flight

Except for one that is preserved in Korea,

the B-29 allocated to the Imperial War

Museum will be the only aircraft of

this type outside the United States. In ad-

dition to the one owned by the Confederate Air Force at Harlingen, Tex., there also is a B-29 Superfortress that is kept in "mint"

condition at the American Air Museum in

Other than for historical interest in the

atomic bombs on Hiroshima and

age of warfare-the Imperial War

collection of wartime memorabilia because

measure between the demise of the British

bomber fleet of World War II and the in-

troduction of the Air Force's jet bombers.

scheduled to terminate in England.



GENTLY NOW! — A giant crane gently lowers a shelter unit containing an emergency radio at the site of Junction Ranch in NWC's northern range area. Three of these radios are now

of the shelters provide sufficient power to maintain the batteries for the radios. The use of photovoltaic panels to power remote site radios and other equipment is cost effective because these units operational at remote sites. The photovoltaic panels visible on top no longer would need either power lines or generators.

# Sun used to power equipment in remote areas

NWC employees whose vehicles break planned for industrial and housing use. down, hunters who are injured, and others NWC's involvement with FPUP Phase I who experience emergencies in the remote applications goes beyond the three upland range areas of the Center will have reason to be grateful to the Federal Photovoltaic Utilization Program (FPUP), for which the Naval Weapons Center is the lead Navy laboratory.

Emergency radios, powered by photovoltaic systems, have been installed in small shelters at Coles Springs, Junction Ranch, and at the head of Mountain Springs Canyon in the upland range area.

### Solar Cell Panels Power Batteries

Each radio is powered by two solar cell panels that keep a set of batteries charged. Instructions will be printed and enclosed in each of the small shelters so that anyone who has need for the radios will be able to turn them on. The radios have a spring-loaded switch so that when the transmission is complete, the radios will automatically shut off.

NWC is involved with FPUP because of its continuing efforts to use alternate energy sources for the improvement of both

### Potential Sites Examined

As lead laboratory, NWC is examining which photovoltaic systems would be appropriate, and developing program proposals to submit to the Department of Energy for promising Navy applications. Small photovoltaic applications are installed by NWC; larger ones planned under Phases II and III of the FPUP operation will be installed by contractors. All systems will be purchased off the shelf.

Phase I of FPUP aims to decrease the cost of solar cells by providing an increased market, and to provide opportunity for customers to become familiar with solar cell technology.

In Phases I and II, the systems will be small and, usually, remotely-sited. These are cost-effective at today's prices on a lifecycle basis.

Phase III of FPUP will involve larger systems which are projected to be costeffective by 1982, and Phases IV and V are

### **Energy conservation tip**

Clean reflectors below the heating elements on your stove will reflect the heat better and shorten cooking time. Energy for cooking will also be saved.

emergency radios. A solar panel has been installed at the site of a seismic sensor located in Wilson Canyon. This panel and those for the emergency radios were built

### Another Local Application

Another local application under Phase I is the provision of power for AM radio repeaters at Pinion Point. Solar cells and batteries for the repeaters have been received, but the stand provided by the contractor for the solar panels was found to be inadequate to withstand the very high wind velocity at the mountaintop location. The Civil Engineering Branch of the NWC Public Works Department has redesigned the stand, and it will be installed in March or April 1980, as soon as weather conditions at that remote site permit.

Phase I projects under NWC cognizance include obstruction lights at El Toro Marine Corps Air Station in Santa Ana, Calif. These lights are now operational, and have proven NWC and other Navy ranges, and to get to be very cost-effective because the exsuch new technology introduced into the pense of periodically changing batteries in the eight lights located in the hills around

> A radio repeater station similar to the one slated for Pinion Point at NWC will also be installed at the Marine Corps Base at Camp Pendleton. The system has been received and will be installed atop Mt. San Onofre in

### Other Installations Planned

Four radio boresight beacons to be used for aligning test radars at NWC and four television systems for weapons scoring on local ranges are also planned for FPUP Phase I funding. Four portable meteorological stations will also be installed at NWC. Off-Center projects include beacon lights at Point Mugu, Calif.; Charleston, N.C.; and Rota, Spain.

Phase III projects that have been approved for NWC include power for the range instrumentation sites, for the Fixed Point Test Site at Randsburg Wash, for the billeting at Coso Peak, for two uprange FM repeaters, for the Garden Spring test site at Airport Lake, and for a timing repeater to extend the instrumentation capabilities will also be built with Phase II funds to organizations, EEO program leaders who improve upland range communication have specific responsibilities for equal

Fourteen off-Center projects will provide

power at the Naval Air Development Center, Warminster, Pa.; the Naval Research Laboratory on the Chesapeake Bay; Naval Coastal Systems Center, Panama City, Fla.; and Diego Garcia in the B-29, which was the aircraft used to drop the

Procurement will begin on these Phase II Nagasaki-actions that ended the war projects as soon as the expected funding against Japan and ushered in the nuclear arrives. Phase III projects are now in planning stages and await a judgment by Museum wished to obtain a B-29 for its DoE in December.

Phase III submissions include three the U.S. loaned nearly 90 of the B-29s to the

projects at NWC, and 13 systems at Royal Air Force in 1950. This was a stopgap Twentynine Palms, Calif.; Camp Pendleton, Calif.; Palau, Micronesia; and other

# Fed'l Women's Program, EEO to join for annual banquet, awards

Oakland, Calif.

mittee is sharing its award ceremony with the Equal Employment Opportunity Program at a dinner to be held on Wednesday, Nov. 28, at the Community Center.

Guest speaker for the occasion will be Philip C. Russell, Public Affairs Officer for the Civil Engineering Laboratory, Port Hueneme, Calif. He has been active in feminist causes since 1973, and has NWC Command. "Dynamic Job Interviewing for Women." Basis for Awards

The Federal Women's Program awards will be presented to one or more women who have made significant contributions to their field of science or engineering, and to one or more women who have made significant contributions in technician positions.

A perpetual trophy will also be presented to a department at NWC that has continuously shown support for the Federal Women's Program. Also presented will be an individual award to a deserving individual who has contributed greatly to and supported the Federal Women's Program.

**EEO Contributions Valued** The Equal Employment Opportunity Award demonstrates the value that management places upon employees.

supervisors, and managers who actively

and effectively contribute to EEO. The three categories for this award include supervisors and managers who excel uprange. Two UHF repeaters at two sites in promoting EEO within their employment opportunity, and employees within program projects or activities with

The Federal Women's Program Com- EEO implications, such as training and recruitment.

The banquet at which the awards will be presented will begin with a social hour at 6. to be followed by the Federal Women's Program award presentation made by Burrell Hays, head of the Laboratory Directorate, at 7 p.m. The EEO awards will then be presented by a representative of

authored "Women and Federal Jobs," and Following dinner Russell will speak on "The Professional Woman: A Sporting Chance.'

Reservations are required to attend the banquet. Tickets for the dinner are priced at \$6 each, and may be reserved by telephoning Eloise Burkland, NWC ext. 2634, by the close of business hours on Monday, Nov. 26.

# Dr. Stine to discuss energy monitoring at FMA lunch Tuesday

Dr. Clifton Stine, Energy Conservation Officer for NWC, will be the guest speaker at a lunch meeting of the Federal Managers' Association (FMA) on Tuesday at the Enlisted Mess.

He will discuss the Center's energy monitoring program.

The meeting is open to all interested employees. Reservations are required, although diners have a choice of ordering from the menu or going through the buffet

Reservations may be made by telephoning Debbie Dyarman at the Enlisted Mess, 446-6929.



A LARGE CRANE is used to extract a turret from another aircraft in the scrapyard for eventual installation in the restored B-29 destined for England.



THE LAST STRUCTURAL problem to be remedied was replacement of the outer wing on the port side — a precaution deemed necessary when corrosion was found. As this photo was being taken, the outer tip of the wing was being fastened in place.



USING A GLAZING COMPOUND, J. R. Kern (at left) and Louis Picchirro (inside aircraft), both employees of Aero-Services of Tucson, Ariz., seal joints in the glass nose cone of the B-29 aircraft.

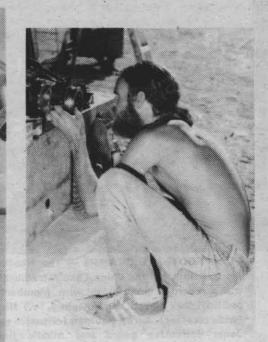


EVERY OTHER B-29 aircraft in the target scrapyard at China Lake was cannibalized for parts that went into the Superfortress being restored for the Imperial War Museum in England. Seen here, an upper foregun turret is removed from another B-29.



TOWED BY A TRACTOR, the B-29 aircraft is moved to the gun butt area on the north side of Armitage Airfield, where the final work of preparing it for Hight was carried out. Takeoff for a hop to

Tucson, Ariz., had been scheduled Tuesday afternoon but, due to mechanical problems, the B-29 was still grounded on Friday



A FUEL INJECTOR pump is examined by J. R. Kern as it goes into the restored