



WISH LIST — Santa Claus (or one of his helpers) looks over the Christmas list compiled by Cathy Connell as Nancy Kubin (far right) watches. Santa Claus arrived at the Navy Exchange Toyland last Saturday morning riding a horse, there not being enough snow for his sleigh. Toyland is open Tuesdays and Fridays from 10 a.m. until 5 p.m., and on Saturdays from 9 a.m. until 5 o'clock.

Musical show set Saturday night by barber shop harmony groups

A fun evening is assured for all music lovers and physical fitness buffs (or those who are definitely not fitness buffs) at Gina's Gym — otherwise known as the stage of Burroughs High School Lecture center when "Slimmin' and Trimmmin'" is presented at 7:59 p.m. tomorrow.

This musical production is the annual show that combines the talents of the Sweet Adelines and the Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America. "The Tonic Explosion," a show quartet from Fresno will be highlighted.

The evening will conclude with all attendees being invited to the Afterglow, a sort of a special cast party, where they can meet all cast members and join in more musical revelry. The location of the Afterglow will be announced during the performance. Refreshments will be available at a nominal cost.

Gina (Eleanor Hartwig, director of the Sweet Adelines) and Vonnie Goss, who wrote and directed the show, join all the performers in inviting everyone to attend.

Tickets for the performance are priced at

\$4 for general admission, and \$2 for senior citizens, students, and enlisted military personnel. Tickets may be purchased from cast members or at the door prior to the performance.



DOWN SOUTH — Bill Altieri sings and dances his way to "Where the Black-eyed Susans Grow" in a production number from "Slimmin' and Trimmmin'," the Sweet Adelines and SPEBSQSA annual show.

Desert Empire Fair opens Sept. 30 in Ridgecrest

The 31st annual Desert Empire Fair, now in its eighth year under the auspices of the 53rd District Agricultural Association, will begin a five-day run next Wednesday, Sept. 30, at the fairgrounds in Ridgecrest.

Highlights of this year's celebration will include a parade along N. China Lake Boulevard on Saturday, Oct. 3, a motorcycle thrill show on Saturday evening, a demolition derby on Sunday evening, Oct. 4, and entertainment on the outdoor stage at the fairgrounds by professional performers on both Saturday and Sunday afternoons and evenings.

The program of professional entertainment on Saturday and Sunday will feature Moore's Mess of Mutts; Chester

Cable, world's best foot juggler; Wini McKay, aerialist; John Regis, comedian and master of ceremonies; George Goulding, who plays the electric organ; and the original harmonica band.

The fair, which will offer a full gamut of carnival rides and attractions brought here by Butler Amusements of San Jose, will open at 5 p.m. on Wednesday with a flag raising ceremony conducted by the NWC Naval Sea Cadet Corps.

Admission to the fairgrounds, which will be open from 5 to 10 p.m. on Wednesday and Thursday, 5 to 11 p.m. on Friday, 1 to 11 p.m. on Saturday, and 1 to 10 p.m. on Sunday, is 50 cents for everyone except children 12

years of age and under, who will be admitted free of charge.

Vehicle parking on the lighted 13-acre parking lot will be \$1 per vehicle.

Special events scheduled on the first night at this annual communitywide celebration will include the Little Miss Desert Empire Fair contest, which is open to girls 7 to 9 years of age. Completed entry forms for this event are still being accepted and can be turned in until 5 p.m. Monday at the DEF office on the fairgrounds.

In addition to the carnival rides, which will include a section for tiny tots as well as such major attractions for thrill-seekers as the Zipper, Flying Bob, Sizzler, and Loop-o-Plane, the midway also will be dotted with a number of booths offering food and refreshments that will be operated as fund raisers by local clubs and organizations.

Joshua Hall, the main exhibit building on the fairgrounds, will be packed with booths at which more than 60 exhibitors will be displaying a large variety of commercial products.

In addition, fairgoers will be invited to inspect the best examples of local area residents' culinary skill, sewing ability, arts and crafts work, and agricultural or horticultural entries that will be on display in another exhibit building.

Activities ranging from Whiskerino, western dress, pie eating and watermelon eating contests to square dancing, pet contests and a diaper derby are planned on various evenings that the fair is underway.

DEF exhibitors and concessionaires are asked to pick up their car and gate passes no later than 5 p.m. today.

Singer to entertain WACOM members at luncheon on Oct. 6

Members and prospective members of the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) will be entertained at lunch on Tuesday, Oct. 6, by Ed Diamond in concert.

Diamond's warm voice and piano style have enchanted audiences throughout Nevada and southern California. He also has starred in three television series, and has made a number of recordings.

The WACOM gathering will begin with a social hour at 11:30, followed by lunch at 12:30. Diamond's concert will conclude the program.

Lunch, a chef salad, is \$3.50 per person. Reservations must be made by Thursday, Oct. 1, by telephoning Dale Huckins at 375-7655, or Ann Myers at 375-2004.

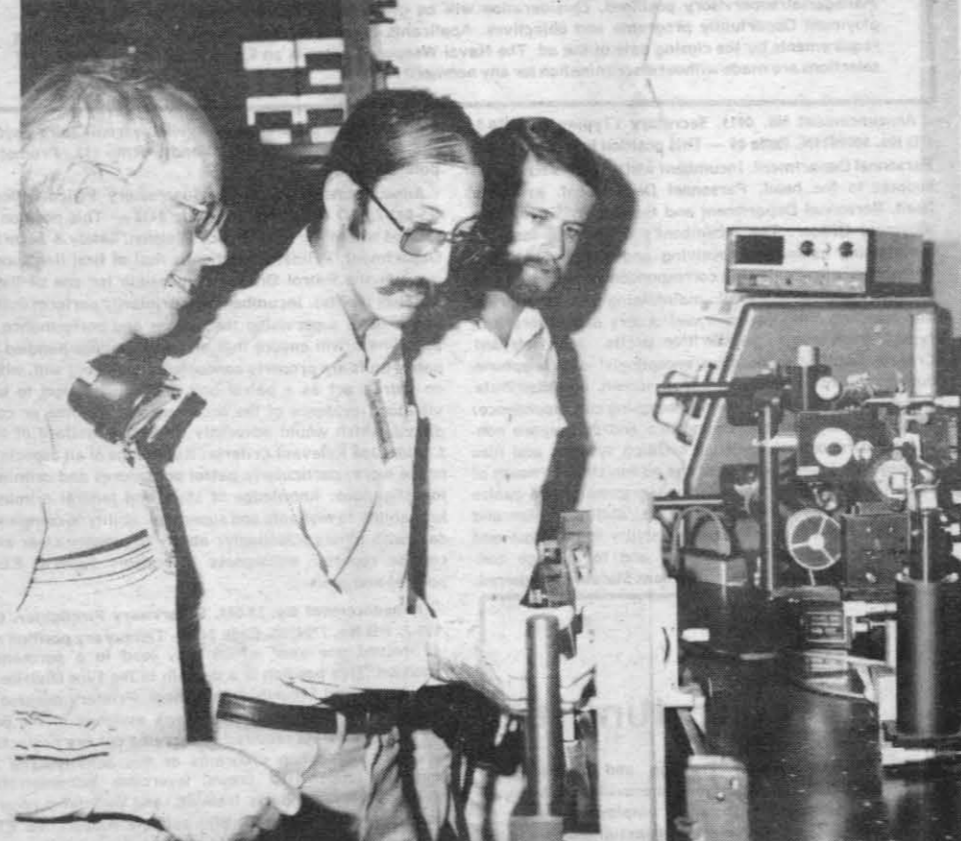
MOVIES (G) ALL AGES ADMITTED General Audiences (PG) ALL AGES ADMITTED Parental Guidance Suggested (R) RESTRICTED Under 17 requires accompanying Parent or Adult Guardian

Regular starting time 7:00 p.m. FRIDAY SEPT. 25 "THE ARISTOCATS" Starring Phil Harris and Eva Gabor (Animated, rated G, 79 min.) SATURDAY SEPT. 26 "THE ELEPHANT MAN" Starring Anthony Hopkins and John Hurt (Drama, rated PG, 136 min.) SUNDAY, WEDNESDAY SEPT. 27, 30 "RESURRECTION" Starring Ellen Burstyn and Sam Shepard (Drama, rated PG, 103 min.) MONDAY SEPT. 28 "STIR CRAZY" Starring Gene Wilder and Richard Pryor (Comedy, rated R, 111 min.) FRIDAY OCT. 2 "BEYOND THE REEF" Starring Dayton Kane and Maren Jensen (Romantic-adv. rated PG, 91 min.) SATURDAY OCT. 3 Matinee—3:30 p.m. "BEDKNOBS AND BROOMSTICKS" (Animated, rated G, 91 min.) 7 p.m. "APOCALYPSE NOW" Starring Marlon Brando and Martin Sheen (War-drama, rated R, 153 min.) SUNDAY OCT. 4 "ELVIS" Starring Elvis Presley and David Scott (Biographical, rated PG, 102 min.)

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NAVAL WEAPONS CENTER CHINA LAKE CALIFORNIA



ONLOOKERS — Pat Keller (left) watches as Jerry Franck adjusts the equipment used for scribing a television tube with a laser. Behind Franck is Rictor Swing, who wrote the computer programs used for the scribing technique, which was devised by Keller, Franck and George Silberberg. — Photo by Ralph Halcomb

Teamwork leads to patent for laser formed video tube calibration markers

To solve a problem often all that's needed is to get the people who see the problem together with a person with the right expertise.

A good example of this happened when Pat Keller and George Silberberg of the Range Department sought an inexpensive and accurate way to scribe a fiducial point grid (fiducial meaning used as a reference) onto a video camera image tube so that the pictures could be used for precise measurements of weapons impacts on targets and for other test measurements.

Keller and Silberberg knew others had tried scribing such a grid mechanically and found that the process was expensive and difficult because this scribing had to be done during manufacture before the video tube is sealed at the factory, and because the markings needed to be as small as six microns, about one-tenth the diameter of a human hair. The dots forming the grid must be this small so that they won't interfere with the picture while still providing visible

reference markers. Keller and Silberberg turned for help to Jerry Franck, who works in the laser damage facility in the Physics Division of the Research Department. He thought of forming the fiducial grid with a laser through the front surface of an assembled tube. Not only did Franck have these suggestions, but the three men worked together to find a solution to the problem, and now hold a patent for laser formed video tube calibration markers. The fiducial point grid consists of 24 perfectly round dots, six microns in diameter, used as reference points for test measurements. Distortion on a TV tube is non-symmetrical — top and bottom edges are different, as are right and left sides of the picture. Comparing the apparent grid position on the TV monitor to the known true grid position yields 24 data points from which mathematical correction equations can be derived to give the true position of any objects on the screen. This eliminates the need for range scale markers in the field. The apparatus used to form the calibration grids consists of three main components: a laser system, a precision stepper-motor-driven jig, and a microcomputer controller for the jig. The laser beam is static; the tube is moved in

Matt Anderson chosen to fill position of head of NWC Fuze, Sensors Department

Matt Anderson has been selected as head of the Fuze and Sensors Department, Capt. Jude Lahr announced Tuesday. Anderson was appointed associate head of that department last May, and has been serving as acting department head since the retirement of Bob Boot at the end of August. The appointment is subject to approval from Washington.

"It's an awesome responsibility," Anderson says, "considering the spectacular safety record of fuzes developed here and their high reliability despite adverse conditions of missile flight and weather. I'm filling some pretty big shoes in following the department heads that I've known since I came to work in the Fuze Department 20 years ago."

Prior heads of that department include Ben Huston, Bob Hillyer, and Boot.

"The strength of this department has been the quality of the people in it," says Anderson, "and it will be a challenge to keep the quality level that it has enjoyed in the past."

Equally challenging, he notes, is that billet constraints mean that the same level of performance must be accomplished with fewer people. "We may have to change the way we do business," Anderson says.

Besides fuzing, ad hoc responsibilities of the Fuze and Sensors Department include the Center's Interactive Graphics Program, a rapidly burgeoning technology, and aircraft survivability.

Anderson began working for the government following his graduation from California State Polytechnic College San Luis Obispo as a mechanical engineer. While he was working for the Fuze Department at the Naval Ordnance Laboratories Corona (before the Corona Laboratories were incorporated as part of NWC), he also taught at Cal Poly Pomona.

He earned a master's degree in engineering from UCLA prior to the move from Corona to China Lake made by the Fuze Department in 1970. His mechanical skills and aptitude resulted in his holding a

dozen patents by the time he became head of the Electromechanical Division of the Fuze Department in 1975.

"Since then," Anderson says, "I've been too busy to be able to spend any time inventing."

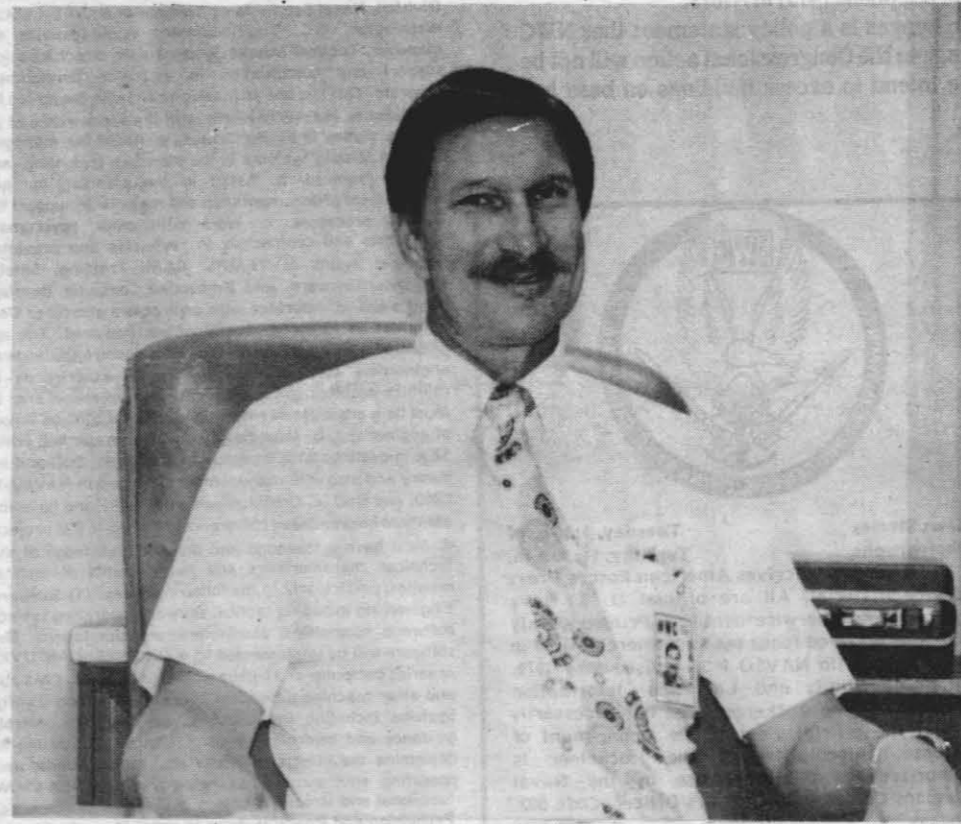
That business included a tour as the Center's Independent Exploratory Development Program Coordinator, and then a year spent at M.I.T.'s Alfred P. Sloan School of Management in Cambridge, Mass., as a Sloan Fellow.

The most valuable part of that year (which led to a master's degree in management), according to Anderson, was the opportunity to see how his counterparts in the private sector managed other types of enterprises since he had been involved mainly with R&D laboratories and

academia. This broadening experience, he feels, will be of particular value since the percentage of work that will be done by contractors is apt to increase. "It's helped me to understand contractors and their motivations better," he adds.

Since his return from M.I.T., Anderson has worked in the HARM program office, helping to get the second source contractor started, and then was moved back to the Fuze and Sensors Department as associate department head in late spring.

Anderson and his wife, Carole, have three daughters. Tracy 17, is attending Cal State University at Fresno; Erin, 16, is a junior at Burroughs High School; and Jenise, 12, is attending James Monroe Junior High School.



JUST APPOINTED — Matt Anderson has been named as the new head of the Fuze and Sensors Department (Code 33). — Photo by PH2 Benita Tetreault

Combined Fed'l Campaign kicks off next Thurs.

Campaign materials have been assembled, a final briefing for key persons is scheduled this afternoon at 1 o'clock in the Management Center of Michelson Laboratory, and the Combined Federal Campaign will get underway next Thursday, Oct. 1.

This year's fund drive will run for the entire month of October and will provide the principal financial support for a group of local agencies, as well as money for national and international agencies that are involved in providing vitally needed human services.

Last year, an all-time high of \$146,857.37 was raised here in the annual CFC; campaign costs of less than \$3,000 were divided among the member agencies, leaving a total of \$144,113.64 to be used for the charitable and service functions these agencies represent.

Since the member agencies of the Combined Federal Campaign represent human services that are of benefit to all persons, both civilian and military personnel on the Center are encouraged to participate in the CFC.

The CFC coordinator for this year is Loretta King, assistant Public Affairs Officer, who will be joined in her efforts by key persons representing each of the departments and organizations on the Center. Another group of federal employees, those from the Ridgecrest Office of the Bureau of Land Management also will be joining in the CFC.

A total of 69 agencies will benefit from the CFC. For the 1982 drive that is about to (Continued on Page 5)

The Skipper sez



All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column.

QUESTION

Civilian dependent - Barking dogs and dogs running loose are a public nuisance.

ANSWER

Your concern about barking dogs is a valid one and one that I share your concerns about.

A Center directive, NAVWPNCEN Instruction 5820.3G, discusses animal and pet control.

The proper control of animals and pets is essential to the operation of a well-ordered community.

Infringement on the rights of other residents through noise, trespass; the creation of unsanitary conditions by animals constitutes a nuisance on the part of the owner.

When an individual feels his rights are being infringed upon by another person's animals, by a barking dog, for example, and has been unable to arrive at a solution with the animal's owner...

From January 1980 through August 1981 only 25 formal complaints on barking dogs have been received.

QUESTION

Civilian employee - What is the correct status of the Navy's land acquisition and how does your comment concerning no more land exchanges affect that program?

ANSWER

The land acquisition for air approach corridors, which is located in sections of both Kern and San Bernardino Counties, by outright purchase or land exchange is being handled by the Naval Facilities Engineering Command at San Bruno, Calif.

My comment on no additional land exchanges is a policy statement that NWC lands not previously identified for exchange in the Congressional action will not be available for future land exchanges.

The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake, California. Captain Jude Lahr, NWC Commander. R. M. Hillyer, Technical Director. S. G. Payne, Public Affairs Officer. Don R. Yockey, Editor. Beverly Becksvort, Editorial Assistant.

News Stories Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m. The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified.

Promotional opportunities

Applications (Standard Form 171) should be put in the drop box located at the Reception Desk of the Personnel Department, Bldg. 34. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current permanent NWC employees only.

Announcement No. 0915, Secretary (Typing) GS-315, PD No. 8009014N, Code 09 - This position is located in the Personnel Department. Incumbent will provide secretarial support to the head, Personnel Department, associate head, Personnel Department and the Deputy Equal Employment Officer.

Announcement No. 24-043, Supervisory Police Officer, GS-0837, PD No. 7184012N, Code 2413 - This position is located within the NWC Police Division, Safety & Security Officer. Primary function is that of first line supervisor in the Patrol Branch responsible for one of three watches (shifts).

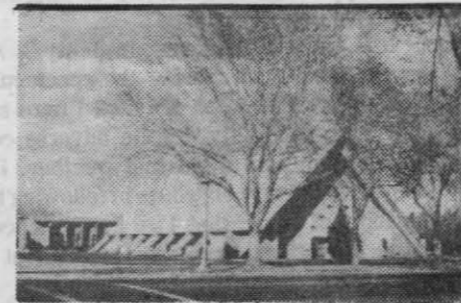
Training opportunities

The Navy Scientist Training and Exchange Program (NSTEP) is designed to provide long term training opportunities for NWC employees grades 1 and higher. These training opportunities are located in the Washington, D.C. area.

Job Title: Training position - USN Test Pilot School, Paluxent River, EE, Ph, CS, AE, Math, DP-3 and highly qualified DP-2's. Descriptions: Duties: Attend USN TPS training for one year in a civilian engineer billet.

Announcement No. 24-044, Supervisory Firefighter, GS-0817, PD No. 7724029, Code 242 - Temporary position not to exceed one year which may lead to a permanent position. This position is a captain in the Fire Division of the Safety and Security Department.

Announcement No. 24-045, Information Receptionist or Clerk, Typist, GS-304.4 or 322-273, PD Nos. 7854015N or 7340009N, Code 2422 - This position is that of information receptionist located in the Visitors Branch of the Safety and Security Department.



DIVINE SERVICES

PROTESTANT 1000 Sunday Worship Service 0930 Sunday School - All Ages 0830 Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant.

700 series topped by two bowlers in Premier League

Outstanding bowling by Pat Nalley and John Therning, members of the Turner's Real Estate and Vitro teams, was the big news coming out of Monday night's Premier (scratch) League at Hall Memorial Lanes.

Both Nalley and Turner topped the 700 series mark with three-game totals of 716 and 711, respectively. Nalley's individual game scores were 191, 266 and 259, while Therning rolled games of 224, 210, and 277.

With team scoring based on 1 point each for 15 games (5 players each bowling 3 games), plus 1 point per team to the winner in the head-to-head team play, and 2 more points (for a total of 20 overall) to the team that rolls the high team series for the night, the Vitro team garnered 15 out of a possible 20 in its match with the Turner's Real Estate leggers.

Two weeks into the new season, Vitro remains in first place with a record of 31.5-8.5, compared to the second place Raytheon Sidewinders, who have a won-loss mark of 27-13.

The Hideaway team, which deluged the Buggy Bath squad, 17-3, came up with the high team game (1096) and high team series (3079) on Monday night.

Three Premier League bowlers rolled triple 200 series scores. They were Rob Shuttlesworth (235, 200, 232 - 667), Dick Reymore (235, 202, 215 - 652), and Will Levy (204, 212, 212 - 618).

In addition to those already mentioned, other Premier League bowlers who turned in 3-game series scores over the 600 mark were: Ron Williams (651), Dick Schweitzer (635), James Brown (629), Chuck Albright (624), Dick Bauers and Hub Zimmerman (618), Leon Watson (610), Dennis Therning (607), and Ron Jackson (602).

Bowlers with individual game scores (scratch) of more than 220 were: Jackson (236), Aaron Kane (235), Brown and Bob Hooper (233), William (232 and 226), Tracy Brandt (228), Albright (226), Champ Pearman (225), Mark Barkemeyer, Bauers and Watson (224), Schweitzer (224 and 222), Zimmerman (223), and Therning (221).

Current league standing are: Table with 3 columns: Team, W, L. Vitro 31.5, 8.5; Raytheon Sidewinders 27.0, 13.0; Cocky Bull 23.0, 17.0; ERI Hustlers 22.0, 18.0; Sonnenberg Enterprises 21.5, 18.5; Hideaway 21.0, 19.0; Turner's Real Estate 17.5, 22.5; Elks Lodge 17.0, 23.0; Parlow Construction 10.5, 29.5; Buggy Bath 9.0, 31.0.

China Lake course to be setting for MDISL golf tourney

The China Lake golf course will be the setting tomorrow and Sunday for the 1981 Mojave Desert Interservice League (MDISL) golf tournament.

Teams entered were invited to shoot a practice round today and then take to the greens and fairways Saturday at 7:30 a.m. for the first 18 holes of play. The tourney will be concluded with a second 18-hole round on Sunday.

The Naval Weapons Center, defending MDISL golf champs, will be represented by a team composed of Curt Bryan, Gary Castor, Al McDonald, Dick Bauers and Bob Hooper, all civilians, and military golfers Cdr. Jim Kinchele, Gunner Sgt. Steve Miller, USMC, Chief Warrant Officer Ron Decker, AVCM Rich McCallister, and AC1 Mark Workney.

China Lake golfers who will compete in the open division are Bryan, Castor, McDonald, AVCM McCallister, G/Sgt. Mills and AC1 Workney. Entries in the senior division (for those 40 years of age and over) will be Bauers, Hooper, Cdr. Kinchele, and CWO Decker.

Opposing teams will be entered by the Marine Corps Supply Center at Barstow, as well as by Edwards, George, March, Nellis and Norton Air Force Bases.

Promotional opportunities

(Continued from Page 2)

documents from passes to miscellaneous correspondence. Will issue permanent decals and temporary vehicle passes. Will also be responsible for maintaining the office files.

Announcement No. 35-045, Supply Systems Analyst, GS-2003-11, PD 7525038, Code 2512 (2 vacancies) - Applications will be accepted from status eligibles. This position is in the Planning and Administrative Division, Planning Analysis Branch, Supply Department. The incumbent assists the branch head by providing data required to carry out the internal review of the department's procedures and organization.

Announcement No. 31-029, Secretary (Typing), Interim, GS-318-3/4, PD No. 8131062N, Code 3114 - This position is that of branch secretary in the F-18 Facility Branch, Aircraft Weapons Integration Department. The incumbent provides secretarial, typing, clerical and other administrative support to personnel in the branch.

Announcement No. 33-018, Electronics Engineer, DP-855-3, PACE No. 812357E, Code 3303 - Position is located in the Standard Missile Components Technical Office, Fuzes Systems Division, Fuzes and Sensors Department. Serves as technical staff engineer initiating and directing investigation of new concepts and application of new technology to fuzing systems for new missiles being developed in the Standard Missile/AEGIS family.

Announcement No. 35-042, Electronics Engineer, DP-855-3, PACE No. 813557E, Code 3541 - This position is located in the Radar Development Branch, Microwave Development Division, Electronic Warfare Department. The incumbent will serve as project engineer for a major Electronic Warfare Radar Simulation System.

Announcement No. 35-043, Electronics Engineer, DP-855-3, PACE No. 813557E, Code 3541 - This position is located in the Radar Development Branch, Microwave Development Division, Electronic Warfare Department. The incumbent will be responsible for developing system definitions for the planned third simulator. Will provide the data for three validation/acceptance. Interface with NISC, NSA, MIA, FRD, for data collection and systems reviews and approval will be required. May be requested to develop instrumentation concepts and participate in cost analysis and scheduling.

Announcement No. 35-044, Electronics Engineer, DP-855-3, PACE No. 813557E, Code 3541 - This position is located in the Radar Development Branch, Microwave Development Division, Electronic Warfare Department. The incumbent will be responsible for developing system definitions for the planned third simulator. Will provide the data for three validation/acceptance. Interface with NISC, NSA, MIA, FRD, for data collection and systems reviews and approval will be required. May be requested to develop instrumentation concepts and participate in cost analysis and scheduling.

Announcement No. 35-046, Clerk (Typing), GS-303-4/5, PD No. 7225063 or 7225012N, Code 2511 - This position is located in the Supply Department, Planning and Administrative Division, under the supervision of the head, Planning and Administrative Division. Principal duties consist of frequent personal and telephone contacts with individuals at all levels of the Naval establishments; collection, analysis and presentation of a wide range of information covering all areas within the Supply Department, dictating machine work, and preparation of graphs and charts; also preparation of correspondence.

Announcement No. 0858, Supervisory Operating Accountant, DP-3, PACE No. 810845E, Code 0880 - This position is located in the Office of Finance and Management Accounting and Disbursing Division. The incumbent supervises up to 15 employees in the maintenance of accounting records and ledgers that include information in terms of unit costs, expenses, inventories, cost of sales, overhead distribution, and revenues for services provided by the activity.

(Closed-Field Devices, linearbeam tubes, solid state transmitters); ability to design modulators (Hard Tube line type, SRC-Magnetic) including load effects and power supplies; ability to design and fabricate pulse forming networks and charging chokes; knowledge related switching (Hydrogen Thiratron, vacuum tubes, SRCs, reverse switching rectifiers, saturating magnetic spark gap); working knowledge of pulse measurement techniques and high voltage hardware layout and fabrication.

Announcement No. 35-045, Electronics Engineer, DP-855-3, PACE No. 813557E, Code 3541 - This position is located in the Radar Development Branch, Microwave Development Division, Electronic Warfare Department. The incumbent will serve as the senior servo systems engineer for development programs involving multi-axis, stationary fire control systems. Will design, develop, integrate and troubleshoot servo systems utilizing digital and analog equipment, D.C. motors, power amplifiers, controllers, synchros, encoders, and rate gyros.

Announcement No. 3644, Engineering Technician, DP-882-3, PACE No. 813644E, Code 3622 - The incumbent is that of section head in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The incumbent is responsible to the head, Missile Support and Test Branch, provides supervision and direction to the Test Section, and is point of contact for all test and evaluation work in the branch. Work includes program planning, test planning, analysis and documentation of test results, liaison with all levels of Center, sponsor, contractor, and foreign government personnel.

Announcement No. 3645, Mechanical Engineer/Electromechanical Engineer, DP-830-213, Aerospace Engineer, DP-861-2/3, PACE No. 813650E, Code 3626 - Two vacancies. This position is located in the Control Design Branch, Systems Engineering Division, Engineering Department. The incumbent will perform engineering design and production monitoring of servo control systems, components and related electronic components on major missile systems. Other responsibilities include product improvement analysis, technical liaison on contracts and technical validation of missile documentation packages.

Announcement No. B-04-3, Range Scheduling Clerk, GS-303-4/5, PD No. 806016N, Code 0433 - (Permanent, part-time.) This position is in the Scheduling Section of the Projects Office located in the Test and Evaluation Directorate. The Scheduling Office is responsible for scheduling tests on most of the ranges at NWC as well as airbase in the R2508 complex. Incumbent will provide backup support to the scheduler, the airspace coordinating clerk, as well as the aircraft dispatcher. Status eligibles will be accepted. Job Relevant Criteria: Ability to follow directions both orally and in writing; ability to read and apply procedures; ability to communicate effectively with a wide variety of people and organizations; ability to work under pressure.

Announcement No. B-41-5, Electronics Technician, DT-856-3, PACE No. 8146153, Code 61301 - This position is located in the Targets Division of the Aircraft Department. This position is concerned with test and development, modification, integration, maintenance, and operation of the Navy's Integrated Target Control System (ITCS). Job Relevant Criteria: Knowledge of the ITCS and the remote control equipment installed in target drone aircraft (QT-38, QF-86, and QF-4); experience in digital signal transmission, processing and in-space data link theory; ability to communicate orally and in writing; ability to apply electronic principles to difficult or complex electronic problems.

Announcement No. 25-042, Clerk (Typing), GS-303-4/5, PD No. 7225063 or 7225012N, Code 2511 - This position is located in the Supply Department, Planning and Administrative Division, under the supervision of the head, Planning and Administrative Division. Principal duties consist of frequent personal and telephone contacts with individuals at all levels of the Naval establishments; collection, analysis and presentation of a wide range of information covering all areas within the Supply Department, dictating machine work, and preparation of graphs and charts; also preparation of correspondence.

Announcement No. 0858, Supervisory Operating Accountant, DP-3, PACE No. 810845E, Code 0880 - This position is located in the Office of Finance and Management Accounting and Disbursing Division. The incumbent supervises up to 15 employees in the maintenance of accounting records and ledgers that include information in terms of unit costs, expenses, inventories, cost of sales, overhead distribution, and revenues for services provided by the activity. Prepares, analyzes, and interprets statements of financial and operating data; system accounting reports, designs, installs, evaluates, and/or revises prescribed accounting systems including accounts, reports records, devices for controls, and related procedures. Uses accounting information to help solve management problems through advice and collaboration. Researches accounting and disbursing policies and procedures and conducts evaluation of accounting practices and systems. Job Relevant Criteria: Persons selected as new supervisors or managers must serve a probationary period. Accounts classify and evaluate financial data; record transactions in financial records; develop and install new accounting systems; revise existing accounting systems; and prepare and analyze financial statements, records and reports.

selected as new supervisors or managers must serve a probationary period. Accounts classify and evaluate financial data; record transactions in financial records; develop and install new accounting systems; revise existing accounting systems; and prepare and analyze financial statements, records and reports.

Announcement No. 26-234, Dispatcher, GS-303-4, PD No. 8124019N, Code 26782 - This is a temporary position not to exceed one year. Incumbent receives requests for transportation of passengers and freight by phone, writing, or in person; assigns types and sizes of equipment based on information received; plans routes and briefs drivers; maintains records and reports on all assigned vehicles; and maintains logs of vehicle maintenance requirement dates and status.

Announcement No. 26-233, Engineering Equipment Operator, WG-5716-10, JD No. 324N, Code 26781 - This position is located in the Transportation Division, Operations Branch, Heavy Equipment Section. Incumbent operates all types of dirt moving construction equipment including bulldozers, road graders, road rollers, ditch diggers, etc. Incumbent is responsible for maintaining safe, accurate, backfill, level ground, move earth and backfill, and transport heavy materials.

Announcement No. CC-48, Child Care Attendant, PD No. 8055105N, \$3.66 per hour plus benefits. Permanent-part time. GS-0189-2/1, Recreational Services Department, Code 221, Children's Center - (2 vacancies) This position is not a Civil Service position. Duties: Supervise and direct children. Help with required clean-up of area and equipment. Aid in the preparation of materials and activities. Job Relevant Criteria: High school graduate or equivalent; familiar with techniques of console and disciplining children; first aid and fire safety procedures; able to carry 40 lbs. constant walking and standing. Previous applicants need not reapply.

Announcement No. GC-855, Recreation Aid, PS-0189-2, \$3.46 per hour, Temporary-part time, Recreational Services Department, Code 221, Golf Course - (2 vacancies) This is not a Civil Service position. The incumbent schedules and makes reservations for use of the facility. Will collect dues and fees; prepares sales receipts and acts as sales clerk; prepares electric cars for rental; performs certain cleaning functions in shop, car sheds and surrounding areas; other duties as assigned. Qualifications: Have experience as a sales clerk; must be able to lift and carry 60 lbs; be able to work weekends and holidays.

Announcement No. GC-845, Greenskeeper, NA-3554-4, \$4.05 per hour, Temporary-full time, Recreational Services Department, Code 221, Golf Course - This is not a Civil Service position. The incumbent maintains grounds and turf of golf area; connects sprinkler and hose for irrigation; digs and rakes ground, may plant, trim, and spray trees and shrubs. Qualifications: Must be in good physical condition and able to lift at least 100 lbs; be able to understand verbal instructions and carry them out properly; able to obtain government drivers license.

To apply for non-Civil Service positions, submit a completed SF-171 to Rm. 100, Personnel Building, 505 Bldg.

Reassignment opportunities

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

F/A-18 System Engineer/DP-111/DT-111, Multi-disciplined (General Engineer, Aerospace Engineer, Electrical Engineer, Electronics Engineer, Physicist, Computer Scientist, Electronics Technician, Mathematician) - This position is a system engineer providing on-site representation to the F/A-18 and AV-8B Program Offices at the McDonnell Aircraft Co. St. Louis, Mo. Major Responsibilities: The incumbent will be responsible for providing and maintaining liaison and coordination between the NAVWPNCEN and McDonnell Aircraft Co. in the following areas: system engineering, software development, avionics/weapons integration, software change activities, software/system testing, and ECP development; represent the F/A-18/WSSA and AV-8B WSSA at technical meetings; provide periodic reports to NAVWPNCEN Program Offices on activities. Job Relevant Criteria: Knowledge of hardware and software aspects of avionics systems and subsystems; understand operational systems and development process; familiar with the system engineering process; ability to maintain effective liaison with all levels of personnel inside and outside the government; and the ability to prepare reporting documentation and technical presentations. For information or to apply for the above position, contact Len Gulick or Donna Gage, Code 01A2, Ext. 3793. A Form 171 is required.



Recreation Roundup

Unforeseen problems delay re-opening of indoor swim pool

Previously announced plans to re-open the indoor swimming pool at the Center gym on Thursday, Oct. 1, have had to be revised, Paul Backiewicz, athletic director, announced this week.

Workmen have encountered unforeseen problems in carrying out the renovation at the indoor pool and, as of the deadline for this week's issue of the *ROCKETEER*, no definite date for completion of the work could be set, Backiewicz said.

Along a similar vein, repairs and the installation of a heating system at the racquetball courts have fallen behind schedule as well.

This work is not yet complete on racquetball court No. 1, which has made it necessary to revise the schedule for work also to be done on the two remaining racquetball courts.

4-MILE RUN SLATED

A 4-mile run, the second event of the fall season to be sponsored by the Over-the-Hill Track Club, will be held tomorrow morning.

Registration will take place beginning at 7 a.m. at the Desert Empire Fairgrounds in Ridgecrest, and the race will get underway at 8 o'clock.

Runners will make two swings around a 2-mile course that is laid out on paved streets and fairly flat dirt roads. There is a \$2 entry fee. Ribbons will be awarded to the winners in each age group and certificates to all who finish the race.

Additional information can be obtained by calling Tom Miller at 375-9443 after working hours.

Youth Soccer League fall season gets underway tomorrow

The fall season of Youth Soccer League competition will get underway tomorrow with a little more than 500 players slated to participate in games that have been scheduled on three different playing fields.

Schoffel Field will be the setting for games between teams of first, second and third grade players, while fourth graders will see action at a new soccer field on the Murray Junior High School campus in the afternoons.

Fifth and sixth grade players who make up teams in Division 5 of the Youth Soccer League will play at Davidove Field.

The schedule for this first weekend of the season is as follows:

At Schoffel Field

Division 2 — Chiefs vs. Rowdies, 8 a.m.; Sunshine vs. Apollos, 9 a.m.; Fury vs. Express, 10 a.m.

Division 1 — Roadrunners vs. Coyotes, 11 a.m.; Cobras vs. Hawks, 12 noon; Eagles vs. Owls, 1 p.m.

Division 3 — Cosmos vs. Lancers, 2 p.m.; Blizzards vs. Sockers, 3 p.m.; Aztecs vs. Earthquakes, 4 p.m.

At Davidove Field

Division 5 — Rogues vs. Whitecaps, 8 a.m.; Kicks vs. Hurricane, 9:15 a.m.; Roughnecks vs. Diplomats, 10:30 a.m.; Surf vs. Sounders, 11:45 a.m.; Tornado vs. Sting, 1 p.m.

At Murray School

Division 4 — Drillers vs. Strikers, 12:30 p.m.; Timber vs. Boomers, 1:30 p.m.; Atoms vs. Thunder, 2:30 p.m.

In the Murray vs. Monroe Junior High School League, games will be played starting at 8, 9:30 and 11 a.m.

Burros lose season's first home game to North

Burroughs High School's varsity football team will take its .500 record for the season to Bakersfield High School tonight for the third and final non-league game before the start of Golden League action on Oct. 2. Kick-off time is 8 p.m. at Griffith Stadium.

The North High Stars from Bakersfield wore down the Burros with their bruising running attack last Friday night, and returned home with a 14-6 victory for their efforts.

It was the first game of the season for the visitors from North High and the second for the Burros, who had edged Barstow 10-8 on Sept. 11.

Home town football fans were treated to an exciting first quarter of action.

During their first possession of the ball, the visitors from North High scored in just five plays on a drive that moved the ball 58 yards to paydirt. The kick for the point after touchdown was good, and the Stars from North High held a 7-0 lead with 5 minutes of playing time elapsed in the first quarter.

LEADS RUNNING ATTACK

Pat Hewes was the workhorse of visitors' running attack. He cracked the middle of the line for initial gains of 4 and 3 yds. before ripping loose for 17 yds. and a first down at the Burroughs High 35.

A pitchout from quarterback Greg Thornberry to Hewes was good for a gain of 7 to the BHS 28. This set up a quarterback option play going the opposite direction that ended up with Thornberry pitching the ball out to another halfback, Daren Poe, who found running room down the right sideline and sprinted in for a touchdown. The PAT was tallied by Brent Mixon.

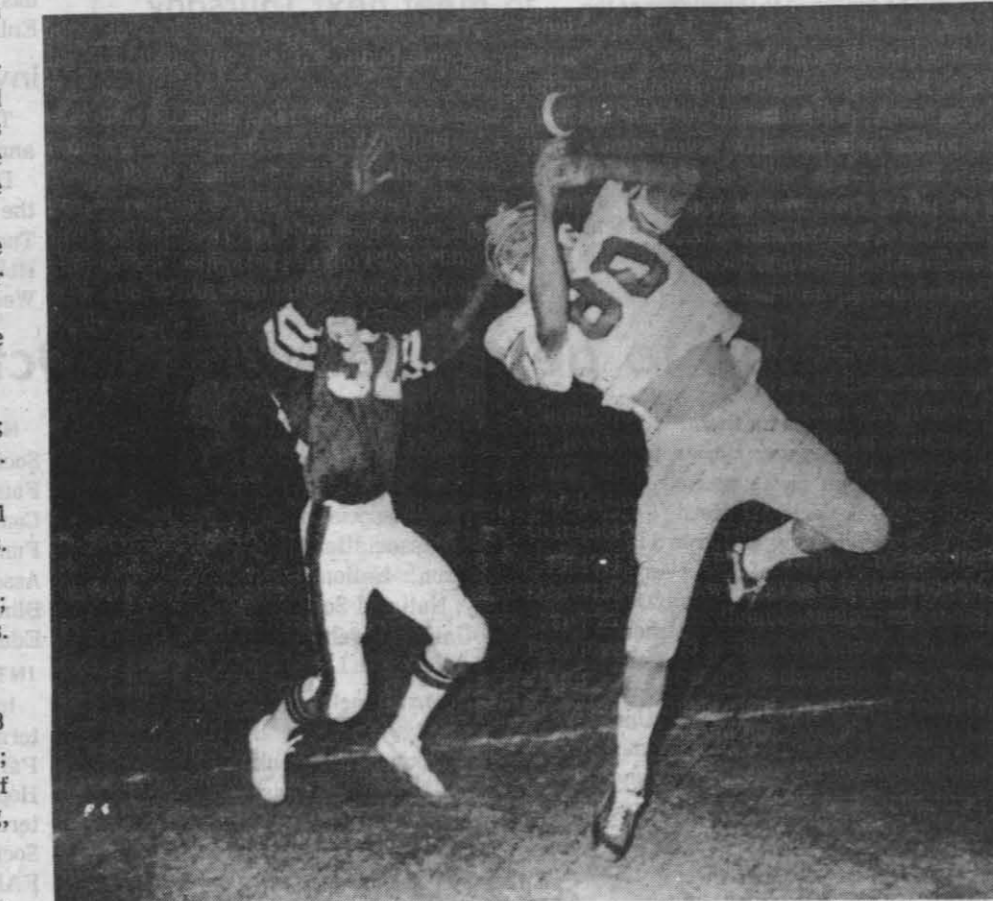
From initial appearances, this had all the prospects of being a long night for the Burroughs High varsity griders, but this soon changed.

PENALTY HURTS BURROS

The ensuing kickoff by North High gave Burroughs the ball on its own 19. A 15-yd. penalty that nullified what appeared to be a first down on a run by James McAlpin was no help, but this was balanced off by a roughing-the-kicker infraction called against the Stars after the Burros, unable to move the ball, were forced to punt on fourth down.

The penalty enabled the Burros to retain possession of the ball with a first down at their own 28 yd. line, and set the stage for a 72 yd. scoring drive.

Ray Eastman cracked through the line for 7 and Quarterback Means hit Scott Fulton, tight end, on a pass that gained 13 yds. and a first down at the BHS 48. Three plays later,



UP FOR GRABS — With a solid running game going for them, the North High Stars threw very few passes in last Friday night's varsity football game at the Burroughs High stadium. As this photo was snapped, the ball was just off the finger tips of Kirk Ansolabehere, an end for North High. The defender is Roy Eastman for Burroughs.



OFF TO THE RACES — Randy Augon, sophomore fullback, zips down the sideline — going all the way to the North High 1-yd. line before being tripped up by an ankle tackle. This play, which started off as an inside hand-off from quarterback David Means to Augon, gained 54 yds. and set up the Burros' lone tally in a 14-6 loss to the visitors from Bakersfield. Kyle Buntley is the North High player who angled over and finally downed Augon. — Photos by Don Cornelius

after a 5-yd. penalty had moved the ball back to the Burros' 45, Randy Augon took an inside handoff, received excellent blocking in the line and, after starting left, cut back to the right sideline and raced 54 yds. before being tripped up at the North High 1 yd. line.

Antonio Dobbins plowed through the line for a touchdown on the next play and it was a 6-7 ball game with North High in front. The first try for the PAT on a kick by Fulton was good, but the Burros drew a penalty that canceled it, and the second try, which was low, was blocked.

There were nearly 2 minutes left to play in the first quarter when the Burros scored what turned out to be their only touchdown of the game.

Neither team was able to put any points on the board in the second period of play. Most serious threat by the Burros was a series of plays that gained 27 yards, including a pass from Means to Shull that picked up 11 yds. and netted a first down on the North High 37 yd. line. On the next series, however, the Burros were forced to punt after Quarterback Means lost more than 10 yds. while being pressured by the North High defense and slipped and fell on an attempted pass play.

In the closing minutes of the first half, the North High ground attack started to roll and the Stars succeeded in moving the ball from their own 24 to a first down just inside the

BHS 40.

Poe was the principal ground gainer for the visitors. On two occasions he ripped off 9 yd. runs for the Stars, and also contributed a 12-yd. gain that was good for a first down on the Burros' 39 with just 45 sec. left to play in the half. Dennis Easton and Leigh Christman, defensive linemen for Burroughs, then took turns sacking Thornberry, the North High quarterback, who dropped back on attempted pass plays as the first half came to an end.

FUMBLE LEADS TO SCORE

The score remained 7-6 in favor of North High until midway in the third quarter when the fumble of a punt was recovered near midfield by the Stars. Eight plays later (all runs) and the visitors had their second touchdown of the night, with the point-after once again being added on a kick by Mixon.

Pat Hewes got this scoring drive going with 13-yd. gain to the Burros' 40, and John Campbell then added 11 more for a first down at the BHS 29. An offside penalty against the Stars momentarily slowed down the North High team, but two successive carries by Poe were good for 26 more yards and a first down at the 9.

Two more pops through the line by Poe put the ball on the 1 yd. line and there was a fumble recovery by the Stars on the BHS 2 before John Campbell punched it into the end zone from there. This gave the visitors an 8-point edge of 14-6, and ended the scoring for the night.

BURROS BOTTLED UP

The third quarter came to a close a few plays after the second North High touchdown, and the visitors then bottled up the Burros' attack and succeeded in coming up with one more serious scoring threat of their own in the final period of play before turning over the ball to BHS on a fumble. Prior to losing the handle on the ball, the Stars had moved from their own 31 to the Burros' 20 yd. line.

The Burros were unable to get beyond the North High 40 yard line in the final 12 min. of play and, taking to the air from their own 21, were unsuccessful in trying to complete a flurry of passes in the final seconds before the gun sounded to end the game.

First two games played in Men's Soccer League

Men's Soccer League competition for the fall season began last Sunday afternoon at Davidove Field.

The Oldtimers, defending league champions, got off on the right foot by drubbing Phoenix by a score of 11-1. In the second half of a double-header, the Rousers outscored the Rebels 4-1.

Two more Men's Soccer League contests are scheduled this afternoon at 5 o'clock. At Davidove Field it will be the Rebels vs. Phoenix, while at the Murray Junior High Soccer field, the Oldtimers and Rousers will tangle.

Demo Project Task Teams will take look at first year's work

Now that the first year of the Civil Service Reform Act Demonstration Project has been completed, a planned internal evaluation is underway. This evaluation will deal mainly with the scientists, engineers, and administrators who have been enrolled since July 1980.

While Bob Hillyer, NWC Technical Director, feels that the Project has been highly successful in the first year of operation, he believes that "we have not been perfect either in design or implementation and there is room for improvement."

Hillyer points out that this is an experimental program, and has sufficient flexibility to allow changes to be made where required or desired.

In order to assess the project and to design any changes it is important to establish a mechanism to gather information and ideas from all NWC employees. Accordingly, the Demonstration Project Task Teams have been reinstated and a new Demonstration Project Executive Panel has been established. The Task Teams will serve as a mechanism for employees to insert these thoughts and ideas into the assessment.

Hillyer will be meeting with the Demonstration Project Executive Panel and with chairmen of the reconstituted Task Teams to determine evaluation procedures. Following this, Hillyer will meet with each of the Task Teams.

The Executive Panel, which serves as a direct link with department heads, ensures that a perspective on overall objectives for the Center's involvement with the Demonstration Project is maintained. It consists of Frank Knemeyer, Demonstration Project Manager, Carl Schaniel, Dick Boyd, and Dick Kistler.

The Task Teams are a mix of personnel who served on the same team previously and new members who can bring a fresh point of view to bear.

Paul Homer, from Code 39, is the chairman of the Pay Task Team, assisted by Don Shibley, Code 09, as vice chairman. Members of the team and their codes are Karen Altieri, Code 09; Bill Shaner, Code 08; Brad Royer, Code 31; Jim Bryant, Code 32; Joe McKenzie, Code 33; Bob Lackaye, Code

35; Chuck Fredrickson, Code 36; Dick Wisdom, Code 38; and Jack Brown, Code 39.

Chairman of the Classification Standards Task Team is Marcel Martineau, Code 09, with Roy Nichols, Code 31, as vice chairman. Other members are George Handler, Code 12; Dennis Sorges, Code 32; Ralph Smith, Code 33; Dean Bare, Code 35; James Irvine, Code 36; Jean Bennett, Code 38; Diane Thompson, Code 39; and Bob Rockwell, Code 62.

Head of the Performance Evaluation Task Team is Miriam Cartwright, Code 12, aided by Bruce McIntosh, Code 09, vice chairman. Members are Wayne Tanaka, Code 31; Rich Printy, Code 32; Steve Redmond, Code 33; Bill McBride, Code 35; Bill Werback, Code 36; Thom Boggs, Code

38; Roy Kartzmark, Code 39; and Bob Barsaloux, Code 61.

Concurrent efforts are being initiated to address issues of concern to technicians who entered the Demonstration Project last month.

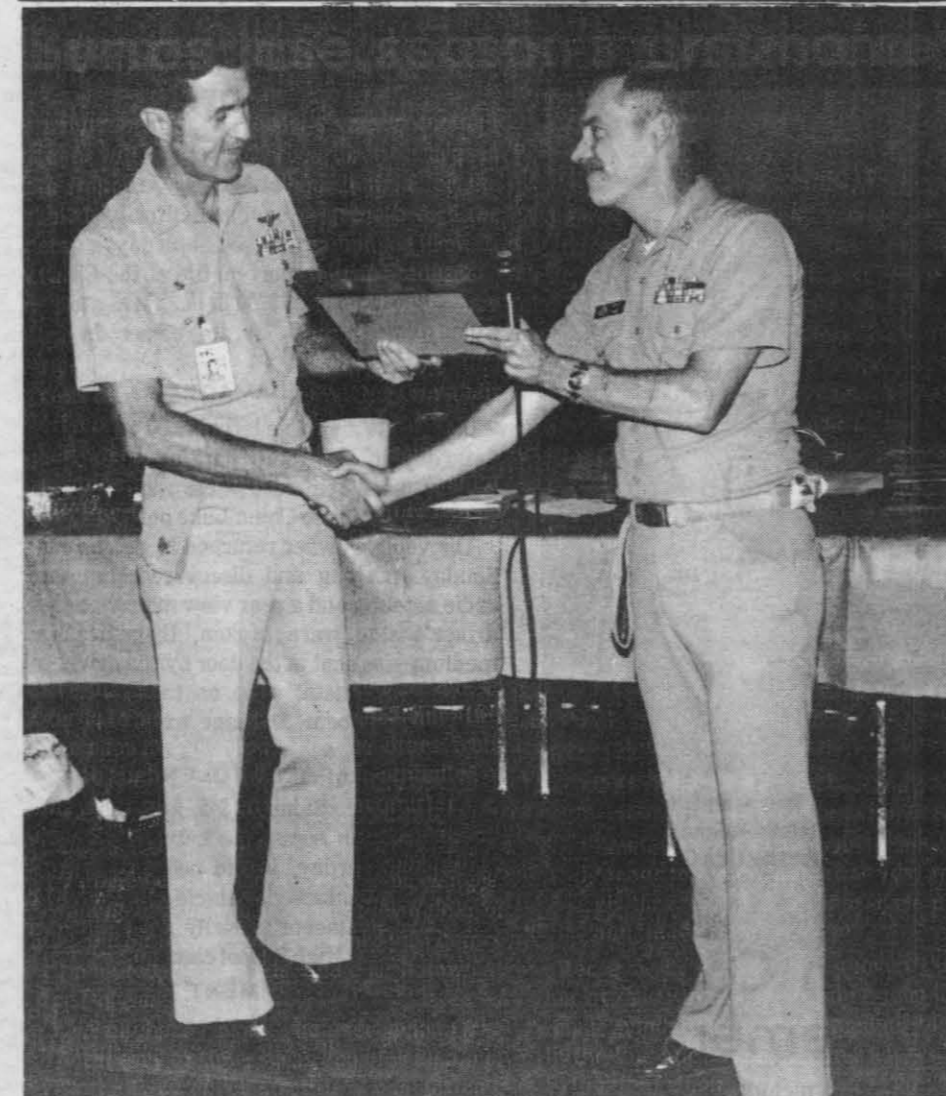
Motorcycle riders must stay clear of Recycling Center

Concern has been expressed by individuals visiting the Recycling Center because some motorcycle riders have been observed riding through the area. The motorcycle trails in this area (just east by Richmond Road at Santee Street) were developed prior to the Recycling Center being established and some of the trails are close to the area where recyclable material can be dropped off.

To insure the safety of all personnel, motorcycle riders are requested to use the route located to the east of the Recycling Center and marked with red streamers.

Safety and Security Department officials ask that NWC civilian and military personnel discuss this problem with their dependents, who may be riding their motorcycles off road in the vicinity of the Recycling Center.

Motorcyclists also are reminded that, according to NAVWPECENINST 5100.6B, the speed limit on access routes to off-road riding areas is 10 miles per hour.



SKIPPER "PROMOTED" — Capt. Jude Lahr receives a certificate announcing his "promotion" to Boot Chief from AVCM Jerry Cook, Master Chief Petty Officer of the Command. — Photo by CM2 Jerry Morrison, USNR-R

Capt. Jude Lahr becomes honorary 'Boot Chief' during special ceremony at CPO Club

When Capt. Jude Lahr was appointed as Commander, Naval Weapons Center, he thought that he had achieved the top position at China Lake. This, he discovered, was not the case when he was given a promotion recently: he became an honorary "Boot Chief" during initiation ceremonies held at the Chief Petty Officers' Mess.

The citation accompanying his "promotion" reads in part "that the Navy of the United States and the Selective and Illustrative Fraternity of Chief Petty Of-

ficers have approved the selection of Capt. Jude Lahr to be advanced to the Rank, Title and Privileges of BOOT CHIEF in the Navy of the United States."

Other "boot chiefs" who joined Capt. Lahr at the initiation ceremonies included one reservist, EOC Cy Ebersberger, and 12 active duty personnel. These were, from NWC, MSC James Andrews, AMSC Buddy Beardslee, AEC Martin Carr, AMEC Steve Dangel, MMC John Mellor, ATC Richard Oubre, MSC Mike Reiten, AMEC Thomas Stiern, and MSC Patrick Kean. Those from VX-5 were AMHC Renato Barrientos, AQC Jerry Riepe, and ABFC Glenn Luhia.

Fiscal year-end timecards must be turned in Sept. 30

All personnel who are responsible for the submission of timecards are reminded that, due to the closing of fiscal year 1981, it will be necessary for month-end timecards dated Sept. 30, 1981, to be turned in at the Payroll Office by 4:30 p.m. next Wednesday.

These timecards can be obtained when time cards covering the past week's work are turned in today at the Payroll Office.

This procedure is necessary in order to meet the required deadlines for end of the fiscal year. No employee timecards are to be held out, since failure to provide the Payroll Office with an accurate timecard by the 4:30 p.m. deadline on Sept. 30 may result in a delay in pay, as well as incomplete year-end payroll data.

Timecards for the balance of the work week (dated Oct. 3, 1981) will be available at the Payroll Office when the fiscal year-end timecards are delivered.

Timecards dated Oct. 3 are to be submitted in the normal manner by the end of the work day on Oct. 2 — citing the appropriate FY 1982 job orders.

Stillwell receives 40-yr. length-of-service award

A 40-year Federal length-of-service award was presented last Monday morning to James F. Stillwell, an artillery repairer foreman in the Ground Operations Branch of the NWC Range Department's Range Operations Division.

The presentation of a pin and certificate denoting four decades of federal service was made to Stillwell by Capt. Jude Lahr during a ceremony held in the office of the NWC Commander.

Stillwell's 40 years of service with the government began when he enlisted in the Navy in April 1940.

HIGHLIGHTS OF NAVY DUTY

Highlights of his six years of active duty in the Navy include serving as a gunner's mate on the battleship USS Nevada at Pearl Harbor when the Japanese launched the sneak attack that plummeted the U.S. into World War II.

The USS Nevada, Stillwell recalled, was the first battlewagon to be raised at Pearl Harbor and was able to sail under its own power to Bremerton, Wash., for repairs. Casualties at Pearl Harbor included 50 killed and 150 wounded from the crew of the USS Nevada.

Stillwell also saw action aboard the battleship Nevada in mid-1943 at Attu and Kiska in the Aleutian Islands.

In addition to being at Pearl Harbor at the outbreak of World War II, another highlight of Stillwell's six years of active duty in the Navy included serving on the crew of the USS Barr, an attack transport.

After the hostilities had ceased at the end of World War II, this ship was sent from

Okinawa to Tokyo Harbor to pick up a contingent of British Marines from the battleship King George V and put them ashore in Tokyo Bay. The USS Barr, Stillwell stated, was the first allied ship to enter Tokyo Bay.

After being discharged from the Navy as a gunner's mate first class in April 1946, Stillwell lived and worked in the Los Angeles area for a little more than a year before moving here to begin work as an ordnanceman (explosive) in the Pilot Plant area of the Naval Ordnance Test Station,

Inyokern, forerunner of the Naval Weapons Center.

Stillwell joined a California National Guard unit at Trona and, when that detachment was federalized following the outbreak of the Korean War, he served for a year in the Army including time spent as a tank commander with the 40th Infantry Division in Korea.

With experience in two wars under his belt, Stillwell was discharged from the Army in October 1951 and returned to China Lake, where he has been employed for the past 30 years.

EMPLOYED AS ORDNANCEMAN

Assigned to work as an ordnanceman in the old Rocket Department, he was involved in tests of Terrier and Tartar missiles. Later, in 1955, his work locale was moved to Randsburg Wash, where he was a participant in gun and fuze tests.

In 1971, Stillwell joined the Engineering Department and worked as a test mechanic (experimental ordnance equipment) until his move in 1973 to the Test and Evaluation (later Range) Department. He was promoted to his present position of artillery repairer foreman in 1976.

Recently, the 40-year-award recipient has been involved in fuze tests of rounds fired from 3 in., 50 calibre guns, as well as with tests of a 120mm gun that is scheduled for use in one of the Army's newest tanks.

Stillwell has no definite plans on retirement, A Ridgecrest resident, his principal avocation at this time of year is lounging around and watching television broadcasts of professional football games.



James F. Stillwell



Patent award. . .

(Continued from Page 1)

front of it to produce the grid.

Two lasers are used in the laser system: a continuous helium neon beam for spotting and focusing, and a medium power 1.6-micron YAG pulsed laser does the burning of the phosphor on the tube. This process works for vidicon, newicon, and plumbicon tubes.

The microcomputer system that controls the jig on which the tube is mounted during the burning was devised by Rictor Swing of the Range Department. Swing wrote the control program for forming the precision grid. Swing also wrote the program that uses the fiducial points to obtain the corrected measurements.

The test tubes have been in operation for over a year and have proven themselves in the field. The tubes are still being made on an individual basis by Franck and Swing, a process taking about an hour per tube, but improved equipment could turn these out much faster, if the potential uses for the tubes can be found.

One such use is described in another patent application submitted by Franck, Keller and Swing on "The Means for Focusing and Adjusting Video Camera Systems" whereby the precise shape and position of the dots can be used for setting the electrical focus and alignment quickly and accurately even in the field.

The National Aeronautics and Space Administration is interested in the new technique because so much of its operation on space flight depends on accurate pictures; the next time that Franck and Swing make tubes for the Range Department, one will also be made for NASA.

The general scientific community was made aware of this technique at the annual meeting of the Society of Photo Instrumentation Engineers in San Diego. A presentation of uses and applications was given to other ranges during the Range Commanders Council-Optical Systems Group conference at Patrick Air Force Base in Florida last March.

The fiducial marked tubes are being retrofitted into cameras for the Weapons Impact Scoring System program at Fallon, Nev., Cherry Point, N.C., Boardman, Wash., and ten other bombing ranges. Whether any industrial application is ever made of the laser formed video calibration markers, their long term application on Center with the Metric Video system is assured.

Ridgecrest library has videocassettes available for loan

Ridgecrest Branch Librarian Marsha Puz is pleased to announce the addition of videocassettes to the library's services.

Beginning on Oct. 1, the library will have videocassettes available in both Beta and VHS formats for 48 hour loan. This is a pilot project at the Ridgecrest branch only that will last for six months.

The collection contains 80 titles that are mostly feature-length motion pictures and includes titles such as "The Black Stallion," "Breaking Away," "The African Queen," "The King and I," and "Murder on the Orient Express." Borrowing procedures will be similar to those of 16mm films.

Those interested can contact the Ridgecrest Library at 131 E. Las Flores Ave. by calling 375-7666.

Time running out to use

GI Bill school benefits

Time is running out for almost 900,000 veterans to use educational benefits of the GI Bill.

Now in its 37th year, about one-fifth of the 4.3 million eligible veterans will lose their eligibility for benefits this year. According to the Veterans Administration, the law permits a veteran to use the education benefits within ten years following discharge, or by Dec. 31, 1989, whichever is earlier.



SURPRISED RECIPIENT — Stanley L. Johnson (1.) was the astonished and delighted recipient of the Clarence L. Renne Award — presented by Renne himself — at ceremonies held last Friday afternoon. — Photo by Don Cornelius

Renne Award presented

Johnson cited for role in Code 32 operating plant improvements

Stanley L. Johnson, an engineering technician, received the Clarence L. Renne Award last Friday afternoon for his 31 years of efforts to create and perfect equipment and systems used in the plant of the Ordnance Systems Department. The presentation was made by Clarence Renne.

The Renne Award is an annual recognition made by the Ordnance Systems Department to someone who has made an outstanding contribution in plant improvement, upkeep or operations. The award pays tribute to Renne's leadership, vision, and persistent efforts over many years to ensure that the Ordnance Systems Department's operating plant was ready and safe for project use. Renne is now retired.

The award consists of a certificate and a model of an explosive melt cast kettle mounted on a truncated wooden pyramid engraved with the name of the recipient and the year its presentation. On one side of the award is a gold-on-black picture of Renne and a description of the award criteria.

Johnson began working at China Lake in January 1949, and started to become involved with process engineering in 1950. In the 31 years since, he has been involved in improving virtually every facility and major piece of equipment in the plant.

Illegal use of Dempster dumpsters is growing problem

A problem that is growing in magnitude is plaguing employees of the Maintenance Service Contracts Branch in the Public Work Department.

A number of persons — NWC employees who live off-Center and possibly others who are not working at China Lake — are taking the liberty of hauling their household garbage and trash on Center and depositing it in the Dempster dumpsters that are placed at various locations around the housing and business area.

While this does save a trip to the county-operated landfill dumpsite on Bowman Road, west of Ridgecrest, and also gets around the cost of having a regular trash pickup at home, it does leave such individuals open to legal action.

Any NWC employee not living at China Lake who illegally makes use of a dumpster to dispose of trash or garbage will, if caught, be issued a citation to appear in the Kern County Municipal Court in Ridgecrest.

Non-employees of NWC who commit such an act will be barred from access to the Center, in addition to facing a day in court.

been involved in include the installation of the 50-gallon mixer in Bldg. 576; modification and installation of the sling liner, Bldg. 595; construction of the cleaning area, Bldg. 595; installation of remote controls, Bldg. 551; modification of band saw controls, Bldg. 551; installation of micro-atomizers, Bldg. 598; and relocation of the one-gallon mixer from Bldg. 114.

At the presentation ceremony, Carl Schaniel, head of the Ordnance Systems Department, said that the award had been delayed from its normal June presentation date because it had taken that long for the department staff to figure out on what pretext Johnson could be lured to the ceremony because "he's such a modest and low-profile person." The pretext was a progress report by Schaniel on the facilities improvement and consolidation plan in Code 32.

All facilities in that department were reviewed for appropriate and economical use, in a study completed in July 1980.

"In a large scale updating like this," said Schaniel, "it takes a while to get the proper forces in motion, but we've finally got the pipeline going and are moving ahead."

The department is trying to get completely out of the CT area, Schaniel said, and about 60 facilities are to be excessed in Area R, the CT area and other Ordnance Systems Department locations.

All effort is being made to do the updating of facilities by using local monies rather than MILCON, he noted, because of the long delay between an initial request for MILCON money and the time that it becomes available to build the facility.

The new office building for the department, he added, will be built as military construction. Currently it is expected to be part of the military construction budget for either 1985 or 1986.

Of the 20 relocations of functions identified, nine have been completed. Two of six building modifications are done, and five of nine buildings slated for demolition have been flattened.

Only three of 29 scheduled renovations have been accomplished, but 26 out of 36 scheduled consolidation and renovation functions have been completed.

Capt. Lahr to give talk

Capt. Jude Lahr will travel to Bakersfield next Thursday, Oct. 1, to address a luncheon meeting of the Bakersfield Rotary Club.

The Skipper will present a short talk, accompanied by film slides, and time will be allowed for answers to questions.

His topic will be "The Naval Weapons Center: What It Is and What It Does."

Police

reports . . .

A thief checking out unlocked vehicles in the east parking lot at Murray Junior High School hit a \$700 jackpot sometime between 9:30 a.m. and 2:30 p.m. last Saturday.

According to a report on file at the China Lake Police Station, \$700 in cash was stolen from a wallet left by its owner in an unlocked van.

VEHICLE DAMAGED

Damage to a vehicle left parked overnight Saturday in the south parking lot of the Commissioned Officers' Mess was reported Sunday morning to China Lake police.

The vehicle owner returned to get his car Sunday morning and discovered that the radio antenna and a rear view mirror on the driver's side were broken, there was a medium-size dent in the door by the driver's seat, and a metal strip on the door was loosened and bent. Damage was estimated at \$200.

BILFOLD STOLEN

A billfold containing \$45 in cash was reported stolen sometime between 9 a.m. and noon Saturday. It had been left in an unattended, unlocked vehicle left in the parking lot adjacent to Kelly Field on the Murray Junior High School campus.

STEREO EQUIPMENT TAKEN

A Navy enlisted man returned from two weeks of leave last week to discover that stereo equipment (a record player and two speakers) had been stolen from his room in BEQ-3.

Police found no evidence of forced entry, but noted that it is possible by using emergency doors to go from one room to another in the BEQ.

OUTBREAK OF VANDALISM

Three reports of vandalism to vehicles in the BEQ parking lot or outside Barracks 880 were reported to China Lake police from Thursday through Saturday of last week.

In the first incident, a radio antenna was bent, the front license plate frame was broken, and a liquid was poured on the front seat upholstery of a new car. Damage was estimated at \$62 to this vehicle parked on the north side of BEQ-2.

Filed the next day (Friday, Sept. 18) with China Lake police was a report that a side view mirror was stolen and the radio antenna bent on another vehicle left in the BEQ parking lot. Cost of repairs and replacement was estimated at \$60.

Another report of a bent radio antenna was filed last Friday night by the owner of a camper left parked next to Barracks 880. In this case, damage to a rooftop CB radio antenna was about \$25.

Day of information on higher education slated at Cerro Coso

NWC personnel who are thinking about going off to college (or who have children that are planning to go to college) will be interested in attending California College and University Day activities at Cerro Coso Community College from 7 to 9 p.m. on Tuesday.

Representatives from 28 public and private California colleges and universities will be present to answer questions about admissions, entrance requirements, academic programs, financial aid, and housing.

ROTC representatives will also be present.

PACE deadline is Oct. 13

Applications are now being taken by the NWC Personnel Department from individuals who wish to take the Professional Administrative Career Examination (PACE). The application deadline is Oct. 13.

Dates for administering the examination have been changed to the period between Jan. 2 and Feb. 17, 1982.

Those who have filed an application will be notified by mail regarding the time and the date that they are to report to take the examination.

Nominations for FWP Woman of Year Award now being accepted

Nominations are now being accepted for the Federal Women's Program (FWP) Woman of the Year Award.

At the same time that this award is presented, the FWP also will honor the 1981 supervisor of the year and single out for recognition an NWC department that continuously has shown support for the Federal Woman's Program.

Each year, the FWP Committee recognizes a different group of women from among the Naval Weapons Center's work force. This year, the emphasis is on job performance, as well as involvement in community activities.

To be eligible for consideration for the Woman of the Year Award, civilian employees or military personnel must have been employed or assigned to duty at NWC for at least two years as of Oct. 16, 1981.

Nominees may be from any career field, and their selection will be based upon such factors as leadership on the job (being a role model for others), attitude (dedication to the organization), initiative (being a self-starter and self-motivated person), and quality of work (representative of the best in a particular career field).

Regarding involvement in community activities, the nominee must be noted for

New Year services slated by Hebrew Congregation Mon.

Members of the Hebrew Congregation of the All Faith Chapel will greet each other with "Le Shana Tovah" (Happy New Year!) Monday evening when services in observance of Rosh Hashanah, the Jewish New Year, begin at 7:30 in the east wing of the chapel.

According to Jewish beliefs, during Rosh Hashanah, God inscribes the destiny of men and nations in the Book of Life and during ten days of penitence, allows time for repentance. On Yom Kippur (which begins at sunset on Wednesday, Oct. 7, this year), God seals their destiny.

Rosh Hashanah services, led by Marvin Schwab, a new student rabbi, will continue on Tuesday starting at 10 a.m., and at 2 and 7:30 p.m.

After the services, the congregation will enjoy apples dipped in honey, round loaves of bread with raisins, and delicious sweets to signify the sweetness of the new year.

Metal Trades Council to meet next Thursday

The Indian Wells Valley Metal Trades Council will hold its next regular monthly meeting on Thursday, Oct. 1, at 520 E. Inyokern Rd., China Lake, starting at 7:30 p.m.

The Council is the representative of a unit composed of the Center's non-supervisory, ungraded, civilian employees who are located at China Lake.

Combined Federal Campaign to get underway on Oct. 1 . . .

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begin, there are 19 United Way of Indian Wells Valley Agencies, 26 National Health Agencies, 7 National Service Agencies, and 15 International Service Agencies.

Money that is donated may be designated for use by a specific agency supported by the CFC; it may be designated to a group of agencies (such as the United Way of IWV); or it may be given as an undesignated gift.

Undesignated funds again will be divided as follows: 65 percent to the United Way of IWV; 25 percent to National Health Agencies; 5 percent to National Service Agencies; and 5 percent to International Service Agencies.

Two independent local agencies — the Maturango Museum and the Women's Center-High Desert — will also receive support as member agencies of the United Way of IWV, but will receive only those

funds directly designated for them.

Member agencies of the United Way of IWV are: American National Red Cross, Boy Scouts of America, Kern County Council of Campfire Girls, Children's Home Society, Children's Hospital of Los Angeles, China Lake Mountain Rescue Group, Desert Counseling Clinic, Girl Scouts of America, Homemakers Service, IWV Association for Retarded Citizens, Legal Aid of Indian Wells Valley, One-to-One, Salvation Army, United Service Organization, Problem Pregnancy Assistance, Council on Alcohol Awareness, Traveler's Aid, Kern Information & Referral Program for Senior Adults, and We Care of IWV.

NATIONAL HEALTH AGENCIES
National Health Agencies (NHA) are: American Diabetes Association, Arthritis Foundation, Cystic Fibrosis Foundation, American Heart Association, American

Cancer Society (Kern Unit), Association for Retarded Citizens of the U.S., March of Dimes Birth Defects Foundation, Muscular Dystrophy Association, National Mental Health Association, National Kidney Foundation, National Multiple Sclerosis Society, National Society to Prevent Blindness, United Cerebral Palsy Association, and the American Lung Association.

Other NHA agencies are: National Easter Seal Society, City of Hope, Juvenile Diabetes Foundation, Leukemia Society of America, National Jewish Hospital and Research Center—National Asthma Center, Research to Prevent Blindness, Inc., Epilepsy Foundation of America, Myasthenia Gravis Foundation, National Association for Sickle Cell Disease, National Hemophilia Foundation, National Retinitis Pigmentosa Foundation, and the National Society for Autistic Children.

having taken leadership roles and being an excellent representative of NWC.

Nominations for the Woman of the Year Award can be made by any military man or woman or civilian employee of NWC, using forms that are available for this purpose in the FWP Office, Code 094.

All Center personnel (military and civilian) also are invited and encouraged to nominate the individual they feel should receive the Supervisor of the Year Award, and send this recommendation to the FWP Committee.

CRITERIA FOR SUPVR. AWARD

To be considered for this honor, a supervisor (either civilian or military, man or woman) must have been at NWC for at least two years by Oct. 16, 1981.

Factors to be considered in determining the Supervisor of the Year Award winner include stimulation of communication between themselves and their employees by providing feedback regarding job and work habits of employees under their supervision, and listening and responding to input from employees.

Nominees for this award also will be judged on how well they have supported employees' goals by showing an interest in them and answering questions regarding the steps necessary for achieving these goals. They also must have shown a willingness to stand behind employees' efforts.

PERPETUAL TROPHY AT STAKE

A perpetual trophy, presented in 1980 to the Supply Department, will be presented to the NWC department that not only has shown support continuously for the FWP, but can be counted on to lend its expertise, as well as its material and personnel resources to further the goals of the Federal Women's Program and equal employment opportunities.

All departments will be considered for this award, but additional support in the form of nominations from NWC military personnel and civilian employees is sought by the FWP Committee.

Nominations for the FWP Woman of the Year Award, the Supervisor of the Year, and the department award must be submitted to the FWP Office by the close of business on Friday, Oct. 16. Forms to be used in making such nominations can be obtained from the FWP Office (Code 094), located in the Training Center.

The awards will be presented at the Federal Women's Program banquet that has been scheduled on Nov. 18 at the Enlisted Mess.

Inventories scheduled

The end of the fiscal year brings semi-annual inventories with it.

Due to the such a semi-annual inventory, the Auto Hobby Shop will be closed on Tuesday and the retail outlet of the crafts Hobby Shop will be closed both Tuesday and Wednesday.

INTERNAT'L SERVICE AGENCIES

International Service Agencies are: International Rescue Committee, Planned Parenthood-World Population, Project Hope, Save the Children, CARE, International Eye Foundation, International Social Service (American Branch), OXFAM-America, Unitarian Universalist Service Committee, United States Committee for UNICEF, Helen Keller International, International Human Assistance Programs, Foster Parents Plan, Pearl S. Buck Foundation, and Africare, Inc.



TALL TREE UPROOTED — Personnel Department employees coming to work last Friday morning were greeted by the sight of a tall Chinese elm tree uprooted and lying on its side in the courtyard area of their new quarters at 505 Blandly Ave. Someone with 20-20 hindsight fastened a sign reading "I told you I was sick" on the uprooted root section of the tree. There was no damage to any parts of the surrounding buildings. Had the tree been a bit taller, however, this might not have been the case. Weather forecasters at Armitage Airfield report a lot of thunderstorm activity and strong gusts of wind on Thursday night, Sept. 17, when the tree was flattened. It was sawed up and removed by employees of the Public Works Department's Labor Shop. Photo by PH2 Benita Tetreault

Fire Prevention Week events to begin with booth at fair

An expanded schedule of events has been laid out for this year's observance of Fire Prevention Week by firefighters from the NWC Safety and Security Department's Fire Division.

Getting the jump on the traditional observance of Fire Prevention Week (Oct. 4 through 10), firefighters from China Lake will man a booth in Joshua Hall during the Desert Empire Fair, which opens next Wednesday, Sept. 30, and will continue through Sunday, Oct. 4.

A variety of printed information on fire prevention and safety tips aimed at heading off the danger of fire will be distributed at the booth, the cost of which has been provided by the Desert Flames, women's auxiliary of the China Lake firefighters.

During Fire Prevention Week itself, the public is invited to visit Fire Station No. 1 (corner of East Inyokern Road and Lauritsen Road) and also, by making special arrangements, can visit Fire Station No. 3 at Armitage Airfield.

In addition, the Center theater will be the location for fire prevention programs that will be presented to elementary school children of Indian Wells Valley on Oct. 5, 6,

and 7.

Also scheduled are visits by local firefighters who will present fire prevention programs at elementary schools in Kernville and at Lake Isabella on Oct. 8 and 9.

Arrangements can be made to have fire inspectors present talks to civic clubs and organizations, departments or working groups on the Center, or family groups during Fire Prevention Week and, from Oct. 12 through 16, China Lake firefighters will be involved in team teaching programs in local preschool and kindergarten classrooms.

Elementary school pupils will be encouraged to submit entries in Fire Prevention Week poster and essay contests. Plaques will be awarded to the winner at the various grade levels, and two grand prizes of \$50 Savings bonds will be provided by the Desert Flames to the overall winners in the poster and essay contests.

Smoke the Bear, Woodsey the Owl, and Sparky the Fire Dog will be making appearances during the various activities that are planned during the 2½-week period from Sept. 30 through Oct. 16.