

WACOM Holiday Bazaar planned at Enlisted Mess on Nov. 16-17

Early holiday season shoppers will find a bonanza of gifts, decorative items, and baked goods awaiting them next Friday and Saturday, Nov. 16 and 17, at the Holiday Bazaar sponsored by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM).

Arts, crafts and widely varied items assembled by a dozen local organizations also will be offered for sale at the Enlisted Mess from 10 a.m. to 8 p.m. on Nov. 16, and from 10 a.m. to 3 p.m. on Nov. 17.

In addition, homemade baked goods and candy will be among the taste-tempting goodies that patrons will find while browsing among the various booths, and WACOM will have a tearoom where pie, cake, and beverages may be purchased for those in need of a bit of nourishment while making the rounds at the Holiday Bazaar.

A ribbon-cutting ceremony at which Capt. Paul D. Stephenson, NWC Chief Staff Officer, will officiate, will take place at 10 a.m. next Friday as a prelude to the opening of this two-day event.

Among the wide variety of holiday gifts, decorations and baked goods that will be on sale are needlepoint Christmas tree ornaments, indoor and outdoor plants, potholders, bean soup mixes, books, stationery, calendars, gifts from Mexico, homemade candies, "like new" dolls from the Discovery Thrift Shop, and a selection

Hobby shop taking orders for Christmas greenware

The Hobby Shop/Craft Center is still accepting orders for Christmas greenware until the deadline of Nov. 30.

Any special orders for models, train sets, pitcher and bowl sets, or any other type of finished piece an individual may wish to order in time for Christmas also should be placed by the November deadline.

Persons desiring more information can contact the Hobby Shop by calling NWC ext. 3252.

Curtain rises tonight on CLOTA production of 'Bedroom Farce'

The Community Light Opera and Theatre Association's (CLOTA) production of Alan Ayckbourn's comedy, "Bedroom Farce," will open at 7:30 tonight at the Burroughs High School lecture Center.

It also will be presented at the same time tomorrow, and next Friday and Saturday, Nov. 16 and 17.

Prices are \$4.50 for adult admission; \$3.50 for children, students, enlisted military and senior citizens; and free for children age 3 or under.

The strong cast includes Clyde Irvine and Deanne Ripley-Lotee, as Ernest and Delia; Greg Hogan and Sharon Short, as Trevor and Susannah; David Short and Laurie Dial, as Nick and Jan; and Norm Ponder and Nancy Miller Nowak, as Malcolm and

of crafts and "white elephants."

Organizations whose members have donated sale items and have volunteered their time to work at the WACOM Holiday Bazaar are: Desert Planters Garden Club, Desert Primrose Rebekah Lodge, Johannesburg Foursquare Church, Maturango Museum, Sweet Adelines, Protestant Women of the Chapel, Altrusa, IWV Association for Retarded Citizens, Military Officers' Wives, and the Cerro Coso Wives/Women Faculty.

The Enlisted Mess will be decorated with holiday trimmings around the booths, and Santa Claus will be present both days to talk to young children about their Christmas gift wishes.

The bazaar chairman again this year is Sue Byrd.

Subject of aviation safety is topic at next ASQC meeting

A talk on the subject of aviation safety will highlight the next meeting of the Sierra Sands Section of the American Society for Quality Control (ASQC).

The meeting will be held on Tuesday evening at the Golden Frog restaurant, 1501 N. Norma St., Ridgecrest.

A social hour starting at 6 will be followed by dinner, and the program will begin at 7:30. Guest speaker of the evening will be Bill Moses, air traffic manager of the Lancaster Flight Service, whose topic will be "General Aviation: Are Our Skies Really Safe?"

Those interested in attending this ASQC meeting are asked to make reservations for planning purposes only, since attendees will be making their dinner selections from the menu. Those to call for reservations are Mort Kurotori, at NWC ext. 3326; Bud Stiehl, NWC ext. 2274; or Tony Miller at 446-7671, ext. 200.

Kate.

Director Bill Blanc and Assistant Director Karen Buehler are responsible for pulling together every aspect of the production, from actual staging of the show to ensuring that the administrative details are handled.

Members of the production staff include technical director Alan Paulsen and his crew; Vivian Childers as costumer; Joe Hollis, lighting director; Bonnie Irvine, set dresser; Annie Blanc, properties coordinator; and Jim Rieger, sound director.

Others lending their expertise include Deanna Ripley-Lotee, makeup coordinator; Laurie Dial, hairstylist; Walt Koerscher, logo designer; Tricia Siegel, CLOTA board liaison; and Liz Babcock and Tom Lehmann, publicity.



DOLLS APLENTY — Dolls of every sort imaginable will be among the gift items offered for sale at a WACOM Holiday Bazaar booth operated by the IWV Association for Retarded Citizens. Displaying a sample of the "like new" dolls all carefully dressed and in good condition are Nancy Keating, assistant manager of the Discovery Thrift Shop, and Louise Yockey. — Photo by PHAN Greg Hogan

China Lake Players' version of 'Spiral Staircase' to open

The China Lake Players production of "The Spiral Staircase" will open a five-performance run tonight at the Playhouse (corner of Blandly Ave. and Lauritsen Rd.), with the doors opening at 7:30 and the curtain going up at 8:15.

Other performances are slated for tomorrow evening and for next Friday and Saturday at the same times. There also is a Sunday matinee on Nov. 11, when the doors open at 5:30 and the show starts at 6:15 p.m.

Advance reservations are required and may be made by telephoning 375-4001. Tickets must be picked up by 15 minutes before the start of the performance, for which the reservation is made; those that are not picked up will then be available for sale at the door.

General admission is \$3.50, with senior citizens, students under 18, and active duty military being charged \$2.50.

Marine officer will be speaker at next Navy League meeting

Major John Boyd, USMC, will be the guest speaker at the next meeting of the Indian Wells Valley Council of the Navy League, which will be held on Thursday, Nov. 15, at the Hideaway restaurant in Ridgecrest.

A social hour at 6:30 p.m. precedes the dinner that will begin at 7:30 and be followed by Major Boyd's talk.

Dinner, which costs \$7.50 per person, is a choice of pork chops or a prime rib sandwich. Reservations must be made by Tuesday; they may be made by telephoning 446-3488, 446-2538 (between 8 a.m. and 1 p.m.), 445-5001 (nights), 446-3727 (nights) 375-5515 (mornings) or 375-4272.

Mail order catalog is now available to patrons of NEX

The American edition of the 1985 Exchange mail order catalog is available now at the customer service desk of the Navy Exchange.

The catalog is published exclusively for all active duty military personnel, their dependents, and retired military.

The NEX mail order catalog program is an extension of the Navy Exchange. This year's catalog has been expanded and contains information on special program merchandise, such as big and tall menswear, value buys, and personally monogrammed articles.

Earnings generated by the NEX are used to finance various recreational activities at NWC.

MOVIES

REGULAR STARTING TIME 7:00 P.M.

FRIDAY	NOVEMBER 9	
	"THE INSTRUCTOR"	
	Starring Bob Chaney and Bibi Szaul (Action Drama, rated R, 93 min.)	
SATURDAY, SUNDAY	NOVEMBER 10, 11	
	"STREETS OF FIRE"	
	Starring Michael Pare and Diane Lane (Rock Musical, rated PG, 94 min.)	
MONDAY	NOVEMBER 12	
	"CANNONBALL RUN II"	
	Starring Burt Reynolds and Dean Cain (Comedy, rated PG, 110 min.)	
WEDNESDAY	NOVEMBER 14	
	"SIXTEEN CANDLES"	
	Starring Molly Ringwald and Paul Dooley (Comedy, rated PG, 93 min.)	

Veterans Day sale at Navy Exchange continues thru Sat.

A Veterans Day sale, which began on Wednesday and ends tomorrow, is in progress at the Navy Exchange.

Savings up to a third off the regular price are being offered on sweaters, slacks and shirts for men, as well as women's and children's clothing. Other savings can be found in the sports department and also on cameras and toys.

Now available at the Navy Exchange is the NEX 1984 Christmas "wish book," which is jam-packed with gift suggestions of all sorts.

Arrangements can now be made for merchandise not available locally, in but stock at the NEX in Long Beach, to be picked up there and delivered here. Orders placed here by 5 p.m. on Mondays will be ready for pickup the following Friday by 10:30 a.m. at the local NEX. Orders placed by 5 p.m. on Thursdays can be picked up the following Wednesday by 10:30 a.m.

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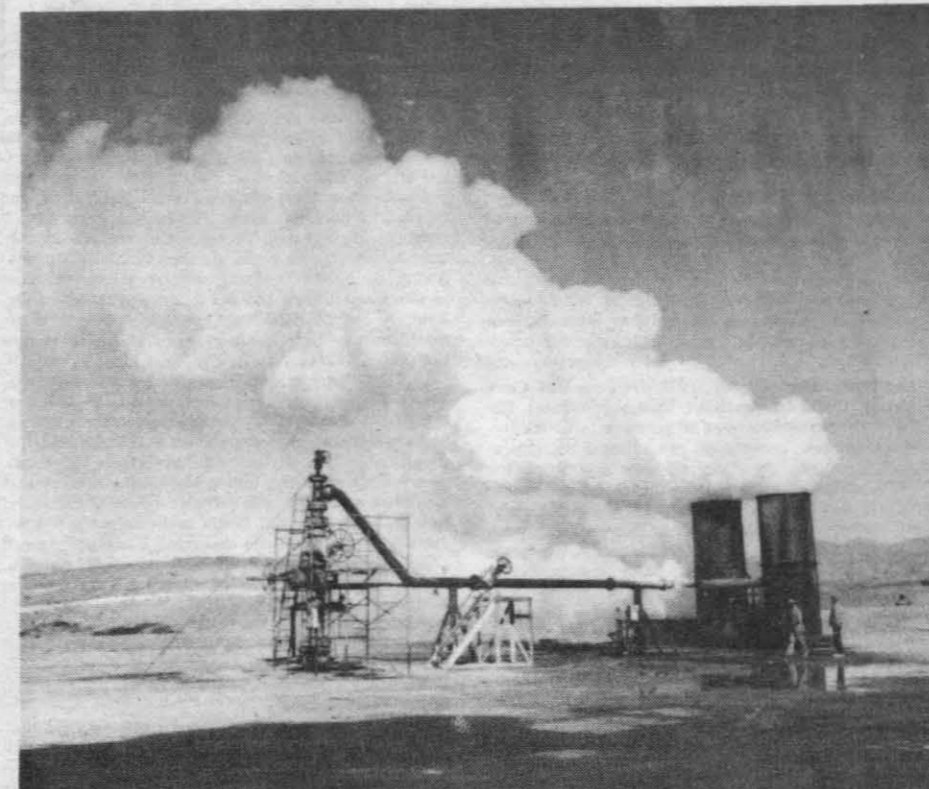
From: _____

PLACE STAMP HERE

To: _____



NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA



TESTING CONTINUES — The geothermally produced steam from the new production well at the Coso Known Geothermal Resource flows through pipes where measurements are made and is then separated into pure steam and water draining into a sump near the well. — Photo by Gene Edwards

Veterans Day program planned Sunday at VFW Hall in Ridgecrest

A patriotic program in observance of Veterans Day will be held at 11 a.m. Sunday at the Veterans of Foreign Wars Hall, 117 Alford St., Ridgecrest.

A color guard from the NWC Division of the Sea Cadets will open the program by raising the American flag from its position at half-staff (where it is flown on this holiday in honor of veterans who have died) to the top of the flagpole in the courtyard outside the entrance to the local VFW Hall.

The opening ceremony also will include posting of the colors and reciting the pledge of allegiance, as well as the singing of the national anthem by April Celestine. The invocation will be delivered by Fred Shaughnessy, a member of American Legion Post 684 of Ridgecrest.

Greetings to those in attendance will be extended by Harold Platzek, master of ceremonies, who will give a welcoming address and introduce the featured speaker — Maj. Jim Fortune, Ground Systems Officer assigned to the NWC Marine Corps Liaison Office.

Platzek, an NWC employee in the Ord-

Collections for CFC hit \$69,647; fund drive is continuing

As of last Monday morning, a total of \$69,647 has been turned in by key personnel collecting donations for this year's Combined Federal Campaign fund drive, according to Loretta King and Natalie Harrison, the CFC coordinators.

Since the drive is scheduled to end next week, they urge all key personnel to personally contact all the military and civilian personnel within their departments to give everyone the opportunity to make donations to this "once for all" annual drive.

Donations may be made through either payroll deductions (starting with the first paycheck in 1985), in cash or by check. All donations are fully tax deductible.

Donors are encouraged to designate the agency or group of agencies to which they would like their funds given. All designations are honored.

Latest of production wells drilled in Coso geothermal area has great potential

"It's a real hummer!" is how Dr. Carl Austin, head of the Geothermal Utilization Division of the Public Works Department characterizes the latest of the production wells drilled at the Naval Weapons Center's Coso Known Geothermal Resource area on the new 1-6 drill pad.

This seventh production well, completed within the past month, is expected to produce about 15 megawatts of power. (A megawatt of power is defined as that amount of energy that could be produced by burning 10,000 gallons of oil. NWC has peak usage of about 17 megawatts.)

The geothermal field is being developed by the California Energy Corp. of Santa Rosa, Calif., which is drilling the wells and will build the plant to convert the steam recovered from the geothermal wells into electricity. The company is developing the wells and building the multimillion dollar plant with private capital.

Once the power plant is in operation, the California Energy Corp. will be paid for the conversion of the geothermal steam into electricity at a rate that is less than the rate that NWC would have to pay for electricity purchased from the Southern California Edison Co., its current supplier.

Dr. Austin has been studying the Coso area for more than two decades because he was convinced of its geothermal potential. A series of test wells was drilled beginning in the mid-1960s and continuing in the mid-1970s to determine this potential.

Since the primary mission of the Center is RDT&E rather than the development of

energy resources, determining if developing such an energy resource as geothermal power would adversely affect the Center's mission was the next consideration.

Studies were conducted at the Devil's Kitchen and the Coso Hot Springs areas to determine how corrosive the geothermal fluids and vapors might be.

In addition to these long-range tests, a UH-1B helicopter and an M-33 search radar were moved to the Big Geysers area of California with the cooperation of the Air National Guard, the Pacific Gas and Electric Co., and the Union Oil Co. (owners and operators at Big Geysers), and the Center's own Aircraft and Range Departments.

At the end of a year, the helicopter was still in flyaway condition, and the radar was usable, so these delicate pieces of equipment were not adversely affected by anything in the air at the Big Geysers geothermal field, showing that emission control technology could meet the needs of the Naval Weapons Center.

The Coso Known Geothermal Resource is sufficiently at the edge of the Center's flight ranges to ensure that given careful planning and scheduling control, compatible use is fully possible and the Center's primary mission is not adversely affected.

With this clearly established, the Navy was then free to proceed with the development of a power source that could take care of not only NWC's needs — estimated at 25 megawatts peak — but would also be fed into the grid so that other Navy establish-

(Continued on Page 3)

Code 32's Renne Award goes to Robert Gould

Robert A. Gould, an aerospace engineer in the Applied Science Branch of the Ordnance Systems Department's Advanced Technology Division, last week became the latest recipient of Code 32's Clarence Renne Award.

The presentation of this award, which honors the memory of Clarence J. Renne, who served from 1962 to 1980 as head of the Process Systems Division, was made to Gould by Carl Schaniel, department head, during an all-hands meeting of the Ordnance Systems Department.

The award, which consists of a certificate and a model of an explosive melt cast kettle on a wooden pedestal, pays tribute to Renne's leadership, vision and persistent efforts over the years in assuring that the department's capital facilities and equipment were properly maintained, and that long range facilities/equipment needs were systematically planned.

In line with the criteria for the Renne Award, which was established in 1980 and is presented to an employee of Code 32 who has done something that significantly im-

proves the capability of the Propulsion Laboratories plant, Gould was commended for his part in designing and implementing a modernization of the Building 52 Ballistics Test Laboratory.

The outcome of this effort, which began in 1980, was the transformation of an outmoded liquid propellant gun test facility into a comprehensive ballistic laboratory for remote testing of a wide variety of small-scale hazardous systems.

According to Dr. James C. Baldwin, head of Code 32's Applied Science Branch, who nominated Gould for the Renne Award, the Building 52 instrumentation was antiquated and inconvenient, making it awkward and time consuming to switch from one test device to another. In addition, data reduction was tedious and had to be done manually.

Gould redesigned the entire firing and data acquisition system, and included a microcomputer for data reduction. A modern control station that can be operated by one person replaced the old, scattered control console.

Other improvements included the replacement of all old instrumentation wiring and the placing of termination boxes at the base of each tunnel for the efficient attachment of instrumentation to test devices.

The resulting improved efficiency and versatility of the Ballistics Test Laboratory gave impetus to a decision to make a major facility improvement at that site, namely, the addition of the Autogun Test Bay.

Over the past year, Gould was involved in the on-site management of the construction (Continued on Page 4)



CAUGHT IN THE ACT — In a scene from the CLOTA comedy, "Bedroom Farce," Trevor (Greg Hogan) is surprised by his wife, Susannah, (Sharon Short) while rekindling a forgotten flame with his neighbor, Jan (Laurie Dial). — Photo by Barbara DeWitt



Veterans Day message from President Ronald Reagan

No Americans have done more to win and protect the peace than the men and women of our Armed Forces. Veterans Day affords each of us the opportunity to join together in communities throughout the land to honor those men and women whose love of country knew no bounds — those to whom patriotism was principle, not just sentiment. Without the sacrifices that our brave veterans made so freely and so generously, our cherished liberty would long ago have perished. On this historic day, let us resolve anew to keep faith with those who have done so much to shape our destiny with their honor and valor. The flag under which they served is the emblem of our unity, our power, our purpose as a nation. In saluting that flag today, we salute America's veterans. As we observe Veterans Day on this November 11, 1984, a day when our nation is at peace, all Americans offer their gratitude to our veterans, past and present, whose loyalty, courage, and dedication are responsible for the peace and freedom which distinguish our great republic.

Ronald Reagan, President of the United States of America

Training opportunities

The Navy Scientist Training and Exchange Program (NSTEP) is designed to provide long term training opportunities for NWC employees grades GS-9 and higher. These training assignments are located in the Washington, D.C. area. The program is used for cross training and development of key personnel at the middle, senior and executive levels. The training varies from 6 months to 2 years depending on the assignment. The employee selected will be on the training assignment at the current grade level and position description. Applicants must be at the grade level listed in the notice. For information or to apply for the below listed training opportunities, contact Fred Bien or Tina Deal, Code 01A2, Ext. 3733.

Multidiscipline, all series DP 3/4. This is a Naval Scientist Training and Exchange position located at the Naval Air Systems Command (AIR 531), Washington, D.C. Developmental Opportunity: This is a one year developmental opportunity. It is an excellent opportunity for a technically qualified person, engineer or technician, to gain valuable experience in Aircrew Escape Systems and Life Support/Survival Programs. The participant will be exposed to a wide range of plans, requirements, studies, and analyses that relate to a systematic approach to developing new aviation life support systems (ALSS). The participant will be actively involved in acquisition management programs and will be directly involved in critical life support programs. This office has primary responsibility for the design, development, and acquisition of aircrew escape and life support/survival equipment. The position will be located in the Life Support, Survival and Rescue Branch (AIR-5311), Training Objectives: The primary objectives of this development assignment are to increase acquisition expertise while broadening skills and knowledge by exposing the individual to the detailed operations of the Crew Systems Division. Specific training objectives are: (1) to provide an in-depth awareness of ALSS; (2) to gain experience in program management and the acquisition process; (3) to broaden the participant's overall developmental experience by working with other Commands, Services, and DoD offices; (4) to gain experience in working with contractors and Navy R&D centers; and (5) to develop a fundamental understanding of the budget process and how program priorities are established. Qualifications Required: The participant for this developmental assignment must possess a general understanding of escape or life support and survival equipments and have the ability to assume complex program management duties. A demonstrated ability to communicate verbally and in writing is required for this position. All applicants must turn in an updated Form 171 by close of business on Friday, Nov. 16.

Training class

To enroll in the following classes students should submit NWC Training Request and Authorization Form 12410 73, via department channels, to reach code 094 before the deadline listed. If handicapped indicate need for first floor room location on training request.

VAX/VMS for the Real-Time Programmer, Nov. 19 to 20 from 8 a.m. to 4 p.m. at the Training Center. The instructor is Walter Gallant of Mini & Micro Educational Services.

The Rocketeer

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Captain K. A. Dickerson NWC Commander

B. W. Hays Technical Director

Denny Kline Public Affairs Officer

Don R. Yockey Editor

Mickey Strang Associate Editor

PHI Rick Moore PHAN Greg Hogan Staff Photographers

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Promotional opportunities

Applications (Standard Form 171) should be in the drop box at the Reception Desk of the Personnel Dept., 505 Blandy. Unless otherwise specified at an ad, applications for positions listed in this column will be accepted from current permanent NWC employees only. All others desiring employment at NWC may contact the Employment Wage & Classification Division, Code 092, Ext. 2264. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Advertising positions in the Promotional Opportunities column does not preclude the use of alternative recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions are: positions subject to the Demonstration Project are those defined in OPM Handbook 1.118; those for all wage system positions are those defined in OPM Handbook C-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

No. 08-063, Editorial Assistant, GS-1067-5, Code 0823 - Edits and types highly specialized and complex technical and statistical reports, manuals, contracts, and materials in the Word Processing Branch. Assists in training newly hired clerical personnel in office procedures and use of word processing equipment. Job Elements: Knowledge of Navy Correspondence Manual, NWC Editorial Style Guide, NWC Secretariat Handbook, Security Manual, Plain Language Address Directory and administrative practices and procedures; knowledge of editorial procedure and grammatical construction; experience in the use of word processing equipment. Promotion potential to GS-6.

No. 09-035, Clerk-Typist, GS-222-3/1/Personnel Clerk (Typing), GS-203-4/5/Personnel Assistant (Typing), GS-203-4, Code 0981 - Processes all personnel actions effecting appointments, promotions, pay adjustments, separations, retirements, etc. Code and enter action items into the NCPDS when the system is operational. Job Elements: Ability to deal tactfully and effectively with all levels of NWC employees; work under stress and pressure; plan, organize and accomplish work independently; type accurately; comprehend and apply regulatory information.

No. 14-006, Administrative Officer, DA-341-2/2, Code 14002 - Provides full range of administrative support functions, including management studies analysis, and reporting; budget administration, and overhead financial management; personnel and organizational management; provides division management with recommendations/alternatives in resolving administrative issues; provides assistance in staffing, recruiting, and other personnel procedures. Job Elements: Ability to carry out studies and analysis; present findings and recommendations; exercise fiscal controls under NIF system; deal effectively with people. Knowledge of NAVWPENEX, Navy and DoD budget administrative processes; personnel policies, procedures and standards; dealing with personnel actions. Promotion potential to DA-3. Previous applicants need not re-apply.

No. 25-046, Administrative Assistant/Officer, DA-341-1/2/2, Code 25011 - Incumbent acts independently to provide full range of administrative and staff support and provides guidance and direction to a secretary and a clerk. Interest in ADP/computing is highly desirable. Incumbent has opportunity for exposure to and training in the use of computers. Job Relevant Criteria: Ability to develop and carry out analysis; ability to present findings and recommendations orally and in writing; ability and knowledge in exercising fiscal controls under the NIF system; knowledge of personnel management processes and functions; knowledge of procurement and/or contract administration; and skill in working in a team situation. This is a reassignment and previous applicants need not re-apply.

No. 26-101, Production Facilities Clerk, GS-303-4, Code 2611 - Responsible for reception, maintenance and control of all work requests generated on the Center, and for initial data entry and maintenance work request information in the on-line Public Works computer system. Maintains work request Master File; assists in training of employees in the use of a remote terminal and develops special reports for customers as requested. Job Elements: Ability to communicate verbally and in writing; ability to communicate with customers; ability to communicate effectively, both orally and in writing; knowledge of software engineering techniques and documentation.

No. 26-102, Custodial Work Inspector, WC-3566-6, Code 2611 - Performs inspection of maintenance and service work performed under contract which includes custodial services, grounds care, street and runway sweeping, refuse and garbage collection, road treatments, hood vent and exhaust systems cleaning, carpet installation, and overhaul of plant equipment. Assures that proper trade practices are followed. Prepares daily reports on contractor performance noting deficiencies. Job Elements: Ability to inspect and to interpret instructions and specifications; work practices; dexterity and safety. Note: A Supplemental Contracting Statement is required and may be picked up in Room 100 of the Personnel Building.

No. 31-083, Interdis. Supp. Computer Scientist/Physicist/Electronics Engineer/Computer Specialist, DP-1550/1310/855/234-3, Code 31141 - Responsible for the planning, development and implementation of F-18 WSPF real-time simulation and facility software. Supervises the design, documentation, coding, testing and maintenance of F-18 WSPF software. Conducts software design reviews and code walkthroughs with Center and contractor personnel. Job Elements: Ability to supervise a multi-disciplined group; knowledge of avionics systems; ability to plan, schedule and coordinate technical work as part of a major project; knowledge of formalized software engineering development and maintenance standards and practices; ability to support NWC EEO policies and goals. Previous applicants need not re-apply.

No. 31-095, Interdisciplinary General/Electronics/Mechanical Engineer, Physicist, Computer Scientist, DP-301/330/850/1310/1550-2/2, A-4E Software Engineering Section, Code 31821 - Responsible for developing assembly language, real-time software for the A-4E on-board tactical processor. Responsible for incorporating GASM and/or Harpoon JC into the Operational Flight Program as part of the System Weapons Integration Program. Position requires involvement in plan, schedule, coordinate and error analysis, as well as support of A-4E program presently in the Fleet. Job Elements: Knowledge of real-time assembly language and structured software engineering techniques; skill to translate technical requirements into efficient, functional assembly code.

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Flag football...

(Continued from Page 6) behind 19-12 in the first half of their game with the Vipers, and ended up on the short end of a 38-31 final score.

Five touchdown passes by Ricky Barton sparked the Vipers' offense.

Ricky Barton hit his twin brother, Randy, with his first touchdown pass of the night, tossed three more scoring aeriels to Danny Whittenberg, and also connected with Mitchell on another scoring pass. The Vipers' final touchdown was scored on a run by Whittenberg.

After giving up a game-opening score on a Barton-to-Barton pass, the Wildcats tallied on a kickoff return run of 50 yards by Fisher, who got the ball on a lateral from Wentworth.

Wentworth tossed two touchdown passes for the Wildcats - hitting Maidment with one and Fisher with the other.

The 'cats, who tied the score at 25-25 after three periods of play, traded touchdowns with the Vipers early in the fourth quarter and the score was then tied 31-31 as the result of a scoring pass from Fisher to Elliott. This set the stage for the game's final tally (the run by Whittenberg). A pass from Barton to Hicks added the PAT that gave the Vipers their 38-31 margin of victory.

Standings in the Flag Football League as of Nov. 2 were:

Team	Won	Lost
Raiders	5	2
Targets	5	2
Vipers	4	3
Wildcats	0	7

Energy conservation tip

Scrape dishes and rinse them in cold water before putting them into the dishwasher.



PREPARING FOR RACE - Three members of the Over-the-Hill Track Club (from left) Dave Rugg, Dianne Lucas and Scotty Broyles, prepare for their entry in the club-sponsored half-marathon run that is to be staged, along with a 3-mile fun run, on Saturday, Nov. 10. - Photo by PHAN Greg Hogan

Youth Soccer League results...

(Continued from Page 6)

1. Fury 0. The Rowdies, who led for most of the game, gave up a last-minute goal that was tallied by Robert Ricks of the Roadrunners, forcing the Rowdies and Roadrunners to settle for a 2-2 stalemate.

Two first-quarter goals got the Rowdies off and running, but the Roadrunners shut out their opponents for the remainder of the game, while they picked up one goal each by Daniel Schmier and Ricks.

Two goals by Amy Dearing, assisted in each instance by the passing of Jean Paul Escallier, resulted in a 2-0 win for the Apollos over the Coyotes. Good play by Timmy Clark and Shawn Letsche, goalies for the Apollos, prevented a number of serious scoring threats by the Coyotes.

Good offense by the Owls kept the Cobras off balance for most of this game. Even though the Cobras succeeded in tightening up their defense in the second half, it was too late as the damage was done on two goals by Greg Greedy and another by Mike Fredericks of the Owls.

A single goal by Justin Lewis of the Eagles put the pressure on the Eagles defense to preserve the win by the narrow margin of 1-0 over the Fury. That they succeeded in doing so was the credit of Richard Christensen, Kees van der Hoek, and John Hopeck, who were standouts on defense for the Eagles.

Promotional opportunities

work of junior technicians. A - Communicate effectively orally and in writing.

No. C-35-057, Computer Specialist, DS-324-1, Code 3546 - Researches intelligence material, computer system design data, and software development techniques for the Aircrew Electronic Warfare Training Ranges (AEWTR) Program. Prepares summary documents of this research and assists senior engineers in formulation of command and control simulation systems. Develops software routines and portions of simulation systems. KSAs: K - Intelligence research resources and techniques. A - Communicate effectively both orally and in writing. A - Coordinate information gathering tasks with a diverse group of researchers and engineers outside the branch. Promotion pot. DS-2.

No. C-36-184, Electronics Technician/Quality Assurance Specialist, DT/DS-856/1910-3, Code 3681 - Located in the Soldering Technology Branch, responsible for electronic manufacturing processes (soldering, cleaning, coating, etc.), electrostatic discharge program plans, contractor performance, and facilities environmental requirements at contractor and government facilities in support of assigned programs). Position requires substantial travel. Elements: Abilities: to work independently with normal supervision; to communicate effectively, both verbally and in writing; to perform contractor quality surveys; to pass visual acuity test; to pass the WS-656 Soldering Certification course. Knowledge: of military specifications dealing with quality assurance techniques, engineering drawing practices; of materials and processes used in electronic manufacturing.

No. 36-183, Multidisciplinary Supervisory General/Mechanical/Electronics/Aerospace Engineer/Physicist, DP-301/330/850/1310/1550-2/2, Code 3682 - Head, Quality Assurance Branch, responsible for providing quality assurance support for a wide range of complex weapon systems and related equipment developed and managed by the Naval Weapons Center. Elements: Abilities: to supervise a large branch through subordinate section heads; to communicate well both orally and in writing; to interface effectively with both on and off-Center management. Knowledge: of the system acquisition process and weapons system development including design, test and documentation; of the Product Assurance discipline. Willingness to support Federal EEO program goals and objectives. Only DP-3s and DP-4s may apply. Promotion to DP-4 must be approved by Center management.

No. 36-012, Physical Science Technician, DT-1311-A/1, Code 3653 - Incumbent will provide assistance to personnel of the Chemistry Division in the procurement of chemical and other scientific equipment, and to personnel of the Center on the procurement of chemicals, special liquefied gases, vacuum systems, scientific glassware, etc. In addition, will be responsible for the operation and maintenance of water purification system and a liquid nitrogen delivery system. Elements: Knowledge of Navy equipment; ability to communicate effectively, both orally and in writing; ability to work well with co-workers and other Center personnel; ability to establish and maintain supply and inventory records; familiarity with scientific technology. Reinstatement eligibles may apply.

No. C-41-2/2, Supervisory Distribution Facilities Specialist, DA-200-1/2/2, Code 4142 - Incumbent will perform duties as the head, 6142, and as such will supervise the planning and coordinating of ordnance logistic support; evaluate the degree and characteristic of NWC logistic requirements; prepare and compile projected requirements for requisitioning, procuring, physical NWC. Responsible for requisitioning, procuring, physical support, ammunition/explosive areas for compliance with safety and security regulations. KSAs: K - Fundamental principles and practices that relate to ammunition/explosives and weapons, procurement, accountability, and

No. 34-422, Technical Publications Writer/Editor, DA-1082-1, Code 3411 - Temporary promotion or reassignment not to exceed one year. May become permanent. Writes and edits the Naval Weapons Center Announcements, and writes, edits and expedites technical and administrative documents. Most writing is done using electronic text processors. Job Elements: Ability to deal effectively with all levels of Center personnel; to analyze data; to gather and organize technical information; to work under pressure. Knowledge of publishing. Skill in writing and editing. Promotion potential to DA-3 should this position become permanent. Promotion is not guaranteed.

Announcement No. C-35-050, Electronics Technician, DT-856-2, Code 3552 - (2 vacancies) The work schedule is the first 40 hours. Responsibilities will be the operation and maintenance of radar systems, testing and maintenance of a variety of digital and analog interfaces in support of the EWTES facility. KSAs: K - Radar systems, digital and analog theory. A - Troubleshoot and maintain digital/analog interfaces as well as microprocessors; coordinate and monitor and review the

Secretarial opportunities

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

Unless otherwise indicated, applicants will be rated against the job relevant criteria indicated below. A supplemental form is required and may be obtained at Room 100 in the Personnel Building. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workflow of clerical staff processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences.

No. 31-089, Secretary (Typing), GS-315-5/6, Code 3103 - Provides secretarial support to the A-4M/ARHS/V-4B Programs Office. No. 31-089, Secretary (Typing), GS-315-4, Code 3112 - Provides secretarial support to the A-4 Facility Branch head and branch personnel. No. 31-097, Secretary (Typing), GS-318-4/5, Code 3115 - Provides secretarial support to the Software Engineering Environment Branch Head and branch personnel.

DIVINE SERVICES PROTESTANT Sunday Worship Service 1000 Sun. School Services 1, 2 & 4 Bible Study (East Wing Wednesdays) 1130-1230 ROMAN CATHOLIC Sunday Mass 0810 Daily Mass (except Monday) 11-15 Confessions 0630-1700 Fridays 0745-0800 Religious Education Classes (Annexes 1, 2 & 4) 1000 Sunday JEWISH Friday (East Wing) 1930 Sunday (Annex 95, as announced) 1930 UNITARIAN Sunday (Annex 95, as announced) 1930



Scorpions soccer team places 4th in Inland Empire League

Competing last weekend in the championship round of the Inland Empire Youth Soccer League (IEYSL) playoffs, the Scorpions (under 19) Soccer Club from Ridgecrest tried but failed to improve upon its fourth place finish in league competition.

In successive order, the Scorpions were defeated 2-0 by the San Bernardino Cosmos, 4-0 by the Redlands Rangers, and also 4-0 by the Riverside Devils.

The Scorpions battled the San Bernardino Cosmos on even terms in the first half of this game on Saturday, which ended with the Cosmos holding a slim 1-0 lead.

In the final 45 minutes of play, however, the physically larger Cosmos began to wear down the Scorpions, who were on the defense almost constantly, but managed to hold together well enough to limit their opponents to just one more score.

The Sunday morning game, played at Prado Park near Chino, was clearly won by the league champion Redland Rangers, as the 4-0 score indicates. Early in the game, the Scorpions missed two scoring opportunities on penalty kicks.

After that letdown, the Scorpions wilted and the Rangers rolled to a 4-goal shutout that included one score on a penalty kick.

On Sunday afternoon, the Scorpions played well in the first half against the Riverside Devils, who were held to a 1-0 lead at the midway point in the contest.

For the third game in a row, however, the Scorpions ran out of gas in the second half of the contest and came out on the short end of a 4-0 final score.

Fielding a team composed of 15-year-old players, the Scorpions expect to be in contention for league honors during the coming years.

Under the guidance of Karl Kauffman as coach, the members of the Scorpions (under 19) team during the fall season have been Jason Cherry, goalie; Neil Johnson, Mike Mills, Roger Smith, Brian Hayes, and J. P. Placencia, defenders; Scott Hannon, Scott Piri, Bill Ledden, Doug Dragovich, and Sam Greenman, midfielders; and Bill Hugo, Paul Lelis, Brian Collie, Jon Bainbridge, Joe Pakulak, John Peterson and Peter Hueber, forwards.

Season near end for Youth Soccer League teams

With the fall season of Youth Soccer League play rapidly nearing a close, action was hot and heavy this past Saturday when a full slate of 14 games was played.

The Whitecaps and Diplomats each emerged with 3-2 wins over the Sounders and Rogues, respectively, to highlight the competition between Division 3 teams composed of fifth and sixth graders.

Three first-half goals by the Whitecaps gave them enough of an edge in their contest with the Sounders to hang on for a 3-2 win. Daniel Moldenhauer, assisted by Jimmy Schmidt and Christopher Marshall, scored two of the three Whitecaps' goals. The third was tallied by Randy Fortune, assisted by Steve Mills.

The Sounders came back strong in the second half on goals by Denny Wilson and Mike Kinne, but topnotch goalie play by Brian Bonbright, Christopher Marshall and Moldenhauer of the Whitecaps was a factor in denying them any additional scores.

A miscue by a defender for the Rogues resulted in a goal for the Diplomats, who also got two scores by Scott Becker in their 3-2 win over the Rogues. David Caraker, who led the Rogues on offense, scored twice for his team in this hard-fought tilt.

Brad Kays figured in all of the scoring for the Kicks in their 4-2 win over the Surf. Bays not only scored two goals (assisted on

Targets, Raiders tied for lead in Flag Football League

The Targets battled their way back into a first place tie with the Raiders last week in the Flag Football League, sponsored by the Recreational Services Department, thanks to a 20-14 overtime win over the Raiders.

In addition to eking out a victory in their game with the Raiders, the Targets romped to a 53-24 win over the winless Wildcats. Scores of other Flag Football League games played last week were Raiders 31, Vipers 6, and Vipers 38, Wildcats 31.

A pass from Mark Rhodes to Kenny Robinson broke a 14-14 deadlock between

the Targets and Raiders, and gave the Targets a 20-14 win on the last play of the overtime period played between these two teams.

In this hard-fought game, the Targets scored on runs by Larry Bird and Mark Rhodes in the first half, but allowed their lead to be cut to 12-7 when Roosevelt Armstrong of the Raiders also reached paydirt on a run that was followed by a pass for the extra point from Phil Oliver to Jeff Eden.

After a scoreless third period, the Raiders went ahead 13-12 on another

touchdown run by Armstrong. A pass from Oliver to Armstrong for the PAT momentarily gave the Raiders a lead of 14-12.

A safety credited to Mark Rhodes gave the Targets the two points they needed to tie the score at 14-14 and send the game into overtime.

The Wildcats scored early in the game, and again in the closing minutes, but couldn't match the Targets in between these two times as they gave up 53 points to the league leaders.

The first touchdown in this free-scoring fracas was tallied by Wentworth of the Wildcats, but the Targets then took control by rolling up a 35-6 halftime lead.

In the second half, the Targets outscored the Wildcats three touchdowns to two as they rolled to a 53-24 victory.

Mark Rhodes passed for four touchdowns for the Targets and ran for one, while Kenny Robinson scored once on a 60-yd. run and passed for two more scores, in addition to being on the receiving end of two touchdown passes thrown by Rhodes.

The Wildcats staged a late rally in which Coley threw two touchdown passes — one to Roy Harmon and the other to Sorenson.

The Raiders stormed back from their overtime loss to the Targets to trounce the Vipers 31-6.

The score was 19-0 at the half in favor of the Raiders as the result of two touchdown runs by Phil Oliver, and an additional score on a pass from Oliver to Jeff Eden.

Oliver hit Roosevelt Armstrong with his second touchdown pass of the night in the third quarter, and the Raiders also tallied in the third period on a pass interception by Ralph Ruiz.

The Vipers averted a shutout when Danny Whittenberg scored on a pass interception in the fourth quarter.

Fighting hard to win their first game of the flag football season, the Wildcats fell

(Continued on Page 7)

Women hoopsters from NWC win first two games of season

The China Lake Roadrunners, a military women's basketball team representing the Naval Weapons Center, won their first two games of the 1984-85 season this past Saturday and Sunday.

The China Lakers, who will be vying this weekend in the second annual Veterans Day Invitational Tournament at the Naval Air Station Miramar (in San Diego), knocked off their counterparts from the Army's National Training Center at Fort Irwin by scores of 59-46 and 65-59 in games played at the NWC gym.

The Roadrunners led at halftime of the Saturday afternoon game by a score of 32-20. They then outscored their opponents 27-26 in the second half to register a 59-46 win.

Janet Pandy, a forward for the Roadrunners, was the game's top scorer with 26 points and also grabbed 12 rebounds. Also in the double-figure scoring column for the NWC quintet was Jean Borrett, the team's player-coach, who tallied 13. Cathy Stewart led the visitors from Fort Irwin with 24 points.

In the rematch on Sunday afternoon, the Roadrunners built up a 36-23 halftime lead, but had to struggle in the second half to post a 6-point victory of 65-59.

The Fort Irwin Pioneers had three players in the double-figure scoring column — topped by Donna Clarke's 22 points. Others were Cathy Stewart with 18, and Heath Davenport, who tallied 10.

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The Fort Irwin Pioneers had three players in the double-figure scoring column — topped by Donna Clarke's 22 points. Others were Cathy Stewart with 18, and Heath Davenport, who tallied 10.

High scorer for the China Lakers on Sunday was Janet Pandy with 25, while player-coach Borrett had 18 and Patty Barnes hit 10.

Other players on the Roadrunners' squad are Kerma Green, Terry Caird, Lupe Martinez, Mimi Beggs, Dianna Graves, and Cathy Mahan. Military women interested in playing on the Roadrunners are asked to make this interest known by calling Borrett at NWC ext. 2163, and then turning out for team practice sessions.

(Continued on Page 7)



IT'S LONELY IN THE LEAD — Army SP4 Michael Jones, from Fort Irwin, approaches the finish line of last Saturday's MDISL 10 kilometer run with no other entrants in sight. Waiting to record his time for this race are Fran and Dave Rugg, of the Over-the-Hill Track Club, who helped to officiate at this event. SP4 Jones, whose time was 33 min., 48 sec., was 30 sec. ahead of the second place finisher.

MDISL 10 K run held here; results reported

Distance runners from seven of the eleven military installations that participate in the Mojave Desert Interservice Sports League (MDISL) competed last Saturday in the MDISL 10 kilometer run held at the Naval Weapons Center.

Tops in the field of 22 runners was Army SP4 Michael Jones, of Fort Irwin, who crossed the finish line in 33 min., 48 sec. He received a plaque for his efforts, as did A1C Robert Gwizdala, of Norton Air Force Base, who placed second in 35:18.

There were just two entries in the women's division of this MDISL event, and both received plaques. The winner was T/Sgt. Debbie Heaton, of Norton AFB, who was clocked at 39:11. Second best was Capt. Lindsay Tyson-Wagner, of March AFB in Riverside. Her time was 49:37.

The other runners entered in the men's

division of this race, the military installations they represented, and their times, were as follows:

Capt. Danny Young, March AFB, 35:56; A1C Bradley Rhodes, Vandenberg AFB, 36:46; A1C Richard Beckett, Nellis AFB, 37:48; AD3 Ruben Ryes, NWC, 37:48; Capt. Dan Gammage, Nellis AFB, 38:17; S/Sgt. Chris Pagdila, Barstow, 38:38; Maj. Pete Doyle, Barstow, 39:04; Maj. Bob Heaton, Norton AFB, 39:11; PRAN Ron Lillibridge, NWC, 41:27.

Capt. Joe Phaneuf, NWC, 41:31; G/Sgt. Mario Medina, Barstow, 41:37; Dave Lawrence, NWC (civilian), 41:55; CWO2 Ray Law, NWC, 43:15; Jerry Gentry, NWC (civilian), 46:22; M/Sgt. Jessie Alvarez, March AFB, 49:02; Lee Barglowski, NWC (civilian), 49:07; Lt. Brice Hammerstein, NWC, 50:38; and AD2 Bob Rynish, NWC, 50:38.

game on ice by making good on one of two penalty kicks.

The Sockers overcame a 1-0 halftime deficit by scoring three second half goals — two by Natalie Noel and one by Darrell Eddins — to defeat the Earthquakes 3-1.

The Cosmos racked up their sixth win in a row — this one at the expense of the Aztecs, whom they shut out 4-0. Keeping the pressure on throughout the game, the Cosmos cracked through on two goals by Mike Oliver and one each by Fran Aguon and Steve Sticht. Outstanding players for the Aztecs were Tom Foisy and Tiffany Marshall.

The Strikers got off and running on a goal by Jamie Scholl, assisted by Cash Benton, as they rolled to a 4-0 win over the Blizzard. Others who kept the Blizzard goalie busy by their goal-scoring for the Strikers were Todd Redmond, Brian Hire and Marcus Lopez. Players credited with assists on the Strikers' goals were Kevin Campbell, John Burns and Jennifer Smith.

A 2-2 tie ball game between the Rowdies and Roadrunners highlighted last Saturday's action in Division 1 of the Youth Soccer League. Results of other contests were Express and Apollos, winners by the same score of 2-0 over the Chiefs and Coyotes, respectively; Owls 3, Cobras 0; and Eagles

In aftermath of flood

Awards presented to Code 08 employees who handled payroll, major paperwork problems

The China Lake payroll has come out on time every two weeks for the past 40 years, Dr. Dick Kistler told an all-hands meeting of Office of Finance and Management employees held on Nov. 1, and despite the Aug. 15 flood that put the Univac computer down for weeks, Code 08 succeeded not only in getting the payroll out on time, but also in handling the myriad of fiscal year-end paperwork.

The exceptional service, capability and extraordinary effort required to do so on the part of five of the Code 08 supervisors was recognized by the presentation to this group of the Commander's Award for Excellence in Mission Support.

Those singled out to receive the Commander's Award from Capt. K. A. Dickerson were Patty L. Lawson, associate department head for Finance Operations; Gloria S. Dominguez, head, Payroll Office; Frank H. Benson, head, Management Data Processing Division; David E. DeVous, Computer Systems Analyst of the Management Data Processing Division; and C. B. Knox, head, Mail, File and Records Branch.

IMPRESSED BY ENTHUSIASM

The Skipper commented that it was most impressive to see such enthusiastic and patriotic people working so hard and diligently to get the Center back into full operation after the flood.

"It's a privilege," Capt. Dickerson continued, "to be able to recognize these five people for their outstanding contributions."

Dr. Kistler alluded to the magnitude of the task faced by Code 08 personnel following the shut-down by flood water of the Center's main computer by saying that more than 700 management computer programs had to be moved to San Diego (where the Naval Ocean Systems Center graciously provided use of its computer).

FISCAL YEAR-END DEADLINES MET

Despite having to transfer the Center's largest and most complex system to another computer under extreme difficulty and tight deadlines, all fiscal year-end reporting deadlines were met, and everyone of the Center's personnel received paychecks when they were due.

"This is a fantastic achievement," said Dr. Kistler.

He wrote, in his letter of nomination for the Commander's Award for the five recipients, that these personnel "demonstrated unusual leadership skills and coordinated the details of what needed to be done, what resources were needed, and how the work was to be done, in a fashion such that the general and financial management activities of the Center carried on almost in a 'business as usual' manner."

The Skipper also presented a letter to Capt. Harry Parade, USN (Ret.), director of the Ridgecrest Center of the Computer Sciences Corporation, on behalf of NWC commending the exceptional assistance given by CSC personnel following the flood.

CONTRACTOR SUPPORT APPRECIATED

"With the kind of contractor support that you and your organization provided," said Capt. Dickerson, "we've functioned like one big family." He then presented Capt. Parade with an NWC Plaque, and one of the very few Code 08 plaques ever awarded also was presented to Capt. Parade in his role as head of the local CSC organization.

In addition, a group of CSC personnel received letters of appreciation.

Prior to the Skipper's arrival at the Code 08 all hands meeting in the Center theater, Dr. Kistler recognized a number of personnel in his department for their contributions to keeping the organization operational in the damp and hectic days following the flood.

Individuals in the Center's Payroll Branch each received a Special Act Award for their outstanding work that included putting in many nights and weekends in



ACHIEVEMENTS RECOGNIZED — Capt. K. A. Dickerson, NWC Commander, joins a group of Office of Finance and Management personnel to whom has just presented the Commander's Award for Excellence in Mission Support. The recipients are (l.-r.) Patty L. Lawson, C. B. Knox, Frank H. Benson, David E. DeVous, and Gloria Dominguez.

— Photo by PHAN Greg Hogan

order to meet all the tight deadlines. Some branch members endured personal and family hardship to spend several weeks in San Diego to get the payroll out, and others were required to take on the additional workload left behind.

Recognized for their work were Ethel VanDyke, Nancy Bryant, Elsie Burke, Karen Swingover, Cheryl Miles, Cathy Hams, Debi Stahlin, Julie Ryan, Joyce Wadley, Sherri Sweany, Dorothy Dandurand, Joyce Hayes, Marge Donaldson, Kim Craig, Lois McDaniel, Vicki Perryman, Michelle Cubit, and Linda Wagner.

From the Management Data Processing Division, two employees received a Special Act Award. They were Joann M. Barton, who recovered financial data tapes, sorted and tracked them, and got the data to San Diego, and Patricia Johnson, who altered

between the financial data system and payroll system in providing her expertise and extra effort.

Their work in verifying funding documents, preparation of data for transmittal to San Diego and handling of a large volume of data under difficult circumstances and time restraints earned a Special Act Award for Faith Dabbs, Aleca J. Nelson, and Margaret H. White of the Corporate Budget Division.

Special Act Awards also were presented to Judith A. Sorenson, Julia Hail, and Melanie Stanphill, who handled the many administrative and clerical requirements needed in support of Code 08 people who had to go to San Diego, as well as those who had to be relocated around the Center until their flood-damaged quarters once more were habitable.



JOINT EFFORT — Dr. Dick Kistler, (at left) head of the Office of Finance and Management; Capt. Harry Parade, USN (Ret.), director of the Ridgecrest Center of Computer Sciences Corporation; and Capt. K. A. Dickerson, NWC Commander, cut a cake that commemorates the cooperation between NWC and CSC following the flood to ensure that the Center's payroll and end-of-fiscal-year paperwork still got accomplished on time.

— Photo by PHAN Greg Hogan

Useful role providing data to Congressional groups filled by FMA

The interest roused by the elections emphasizes the need for federal personnel to be able to provide accurate information to Congressional committees that deal with pay and personnel regulations.

Federal managers and supervisors, both white collar and blue collar, are able to support such an effort by joining the Federal Managers' Association, which maintains a Washington office and a staff whose expertise is frequently called upon to testify before Congress.

Membership dues, which are tax deductible, are paid through payroll deduction. Benefits to members include a quarterly magazine dealing with matters of interest to federal managers, a survivor benefit program, limited legal services at reduced rates with a local attorney, and an optional optical program.

For further information or an application, contact Donna Gonder by calling NWC ext. 3875.

Video taping facility to be build adjacent to Community Center

Preparations began this week for the construction of an addition to the former Community Center building that will house a video taping facility.

The contract for this work was awarded to the D. Michael Co. of Lancaster, Calif., and the job, which is to be completed next March, will cost \$184,832.

Plans call for erecting a wood frame building, 130 ft. long by 40 ft. wide., that will have a stucco exterior finish. Related concrete, gypsum board, mechanical and electrical work are included in the contract.

The new building will be utilized by the employees of the Technical Information Department's Video Projects Office.

Geothermal well...

(Continued from Page 1)

ments on the West Coast could benefit.

The first production-type well came in at 4 o'clock on Dec. 29, 1981, at which time Dr. Austin was summoned to the scene. He notes that he didn't mind being awakened early that morning because the well not only hit the temperature of steam predicted but produced dry steam and had a production potential of about 8 megawatts.

What was more exciting yet was that when another well was drilled only 167 feet from the first, the production capability of that well also was high and apparently did not adversely affect the amount of steam flowing from the first well.

Construction has not yet begun on the plant to convert the steam into electricity, but this is expected to get started in time for the Navy to begin receiving electricity from its geothermal wells by late 1986.

Veterans Day...

(Continued from Page 1)

Beautiful" by Ms. Celestine.

The Veterans Day observance will be concluded by the benediction by Shaughnessy, a volley of rifle fire, and the playing of "Taps."

Frank McElfish, an ex-Marine, will lead a firing squad composed of veterans, and Navy Lt. Dave Feldman will play "Taps," with the echo coming from a trumpet played by Kurt Wittendorfer.

A free luncheon will be provided in the VFW Hall following the Veterans' Day observance, which is being arranged by the Indian Wells Valley Veterans Coordinating Council.

Looking For Equipment?
Call the Equipment Locator Service (Code O2A22) at ext. 2101. We're here to satisfy your equipment needs!

Aircraft maintenance information stored in library at Hangar 3

There's a small room in the center of Hangar 3 in which aircraft maintenance information is stored. It is the Central Technical Library (CTL, Code 61204) and is a part of the Aircraft Department.

The CTL, staffed by three enlisted personnel and a temporary employee, maintains all maintenance manuals for the aircraft that NWC supports. The Tech Library, set up when the airfield was established, also contains manuals for transient aircraft (Marine and Air Force) that often pass through China Lake and require maintenance.

In addition to the CTL, there are approximately 94 disbursed libraries throughout the Aircraft Department. These libraries only have the sections of particular manuals which apply to the parts of aircraft and ordnance for which they are responsible.

Seeing that revisions and amendments to the manuals are made in one of the major responsibilities of the CTL personnel. To ensure that changes are entered in the disbursed libraries, the personnel in the CTL audit each library every quarter.

The information is in manual form and also on tapes. The Maintenance Information Automated Retrieval System (MIARS) tapes are checked out to personnel who may read them on one of the several machines provided for their convenience. The manuals may be checked out from the CTL for 24 hours.

The responsibilities in the Tech Library are divided between the three military personnel and Brenda Gossett, who acts as a backup whenever needed. According to Aviation Maintenance Administrationman 2nd Class Krystal Semmons, "While we don't necessarily rotate positions, we do cross-train so that any one of us can do the jobs in here."

The responsibilities that AZ2 Semmons has include ordering the Navy publications pertinent to maintenance at NWC, verifying miscellaneous information, and sorting naval weapons publications and issuing them to proper shops.

Taking care of personnel who need information, following up on time restrictions for updating shop manuals, and ordering Air Force publications are the responsibility of AZ3 Karen Wardell.

AZ3 Fred Stark is in charge of the audits and is currently overseeing the installation of a new computer system. At the present time, the CTL lists approximately 9,500 manuals on index cards, and is in the process of computerizing. This will expedite the audits and ensure legibility.

After careful consideration of the situation, AZ3 Stark presented the ideas of computerizing the Tech Library to his supervisor, Chief Gary Cooper. He was given the "go ahead," and enlisted the aid of several civilians.

A Syscon employee, Mike Pussey, helped load the program onto tape, and Jim Tucker, an employee in Lauritsen Laboratory, gave access to the computer by lending terminals to the Tech Library.

AZ3 Stark, who came up with this idea earlier this year, inputted the data into the computer himself so it can now be put to use.

Following implementation of the computer system, the quarterly shop audits will be much easier and much less time-consuming. According to Petty Officer Stark, the pre-work for the audits that now takes four to five hours to manually complete will be run through the computer in about five minutes.

Contract awarded for exterior coating of Michelson Laboratory

Work is now underway on a contract calling for a new waterproof and texture coating of the exterior surface of Michelson Laboratory.

This project is included under the Small Business Administration's set-aside program for socially and economically disadvantaged small businesses.

After being competitively negotiated, the contract (in the amount of \$499,916), was awarded to Bill Wright Painting and Decorating, Inc., of Oakland, Calif.

The work, which is to be completed in March 1985, includes demolition of concrete awnings, repair of concrete, and preparation and painting of the exterior of Michelson Laboratory.

Code 32's prestigious Renne Award presented to Robert Gould. . .

(Continued from Page 1)

of this new addition to meet the needs of Code 32's Gun Systems Branch for an automatic, aircraft gun range for ammunition and gun qualifications.

The new range, now nearly completed, includes new instrumentation that will add considerable new research and development capability to the facility.

Over the past fiscal year, the Renne Award recipient contributed significantly to the architectural design for complete rehabilitation of the energetic materials formulation laboratory (Building 310) in the Applied Science Branch.

He coordinated inputs from scientists and engineers who use this facility and then updated the original building drawings to reflect new room function. Gould also worked closely with the Process Engineering Branch on corrections to the architectural and engineering drawings — spending many hours of his own time on them to meet contracting schedules. As a result, it is expected that the finished work will be fully functional not only for meeting current needs, but those for many years to come as well.

Additionally, over the past six years, Gould has been involved with engineering support for the Naval Air Systems Command of a supersonic, bipropellant aerial target rocket used in Fleet training.

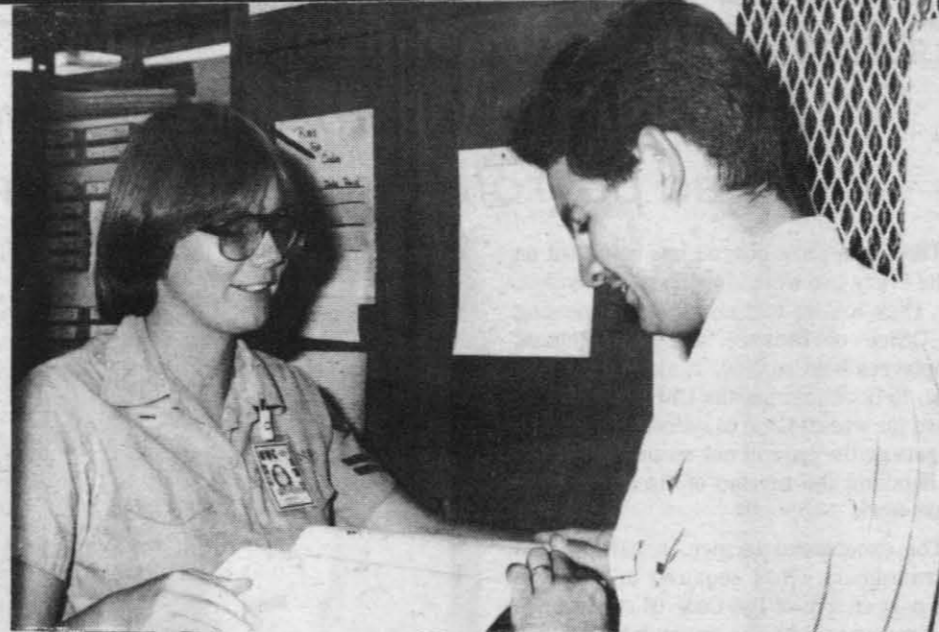
When NAVAIR became concerned that there was only one facility available to fill the tanks of this bipropellant aerial target, Gould was asked to come up with an an-

swer on whether or not the Naval Weapons Center could provide this service.

He met the challenge by producing preliminary drawings and a cost estimate for converting Building 20 (in the CLPP area) for this use, and this proposal is now being considered by NAVAIR.

The all-hands meeting at which Gould received the Renne Award also provided the opportunity for Schaniel to present Special Act Awards to 14 employees of Code 32 who assisted with flood clean-up efforts in the Salt Wells area.

Recipients of the Special Act Awards were Donald Dunn, Paul Smith, James Miller, Homer Lusher, John Frye, Richard



HELPING OUT — Aviation Maintenance Administrationman 2nd Class Krystal Semmons helps Petty Officer 2nd Class Anthony Paris find information in one of the many maintenance manuals that the Central Technical Library of the Aircraft Department has on hand. —Photo by Greg Hogan

Navy Commendation Medal awarded to Marine Corps M/Sgt.

Col. John T. Tyler, Marine Liaison Officer for NWC, recently presented the Navy Commendation Medal to Master Sgt. Charles T. McGuire, USMC.

The medal and citation were presented by Col. Tyler on behalf of John Lehman, Secretary of the Navy, "for sustained meritorious service above that expected in the superior performance of his duties...."

The citation that accompanied the medal presented to M/Sgt. McGuire read in part as follows:

"His technical expertise, attention to detail and his superior leadership abilities were essential to the development and employment of the Tactical Aircrew Combat Training System (TACTS), anti-radiation missile (ARM) radar target emitters, live Shrike firings, Sidewinder missile van rework and the Angle Rate Bombing System (ARBS)..."

Particularly, it was noted, his work in Combined Arms Exercises has resulted in praise and favorable comments from all participants. His most recent efforts at the Marine Corps Air Ground Combat Center at Twentynine Palms, Calif., resulted in such written comments from the Commanding General as "your performance was exceptional and exceeded that which is normally

required and expected," as well as "you have contributed materially to the successful accomplishment of the mission of your unit."

M/Sgt. McGuire has willingly contributed long working hours, weekends and holidays in support of assigned tasks here, and has drawn praise for his initiative, "can-do" attitude and exemplary dedication to duty.

While at NWC, he has been intimately involved with research, development, test and evaluation of such systems as Hellfire, Maverick, HARM, Shrike, Sparrow and Sidewinder air-to-air missiles, plus laser guided bombs, conventional weapons, and aircraft gun systems.

M/Sgt. McGuire, reported to NWC in June 1981, and was assigned to duty as the Senior Enlisted Aviation Ordnance Representative in the Fleet Readiness Branch (Code 3661) of the Fleet Engineering Division. There he was responsible for the coordination of the Air Force, Army, Naval, and civilian personnel involved with many of the research and development efforts at NWC.

Since the day of the medal presentation ceremony, M/Sgt. McGuire has been transferred as an Aviation Ordnance Chief to the 2nd Marine Air Wing at Beaufort, South Carolina.

Edwards, James Wandell, James Wandell, Jr., Harlon Hersley, James Werle, Don Hood, Bernard Winterly, Kenneth Knatt, and Richard Owen.

In addition, Schaniel presented certificates of appreciation to 30 employees of Code 32 who helped in cleanup efforts of the major flood damage that occurred in the basement and on the first floor of Michelson Laboratory.

The certificates were presented to Mark Alexander, Jim Baldwin, Paul Cordle, Barbara Devries, Lilly Coulthard, Joe Drake, Donald Dunn, Norm Fasig, Paul Fry, Mike Herr, Cliff Johnson, Jim Lawler, Frank Markarian, Joe Mattis and Ralph



WINNERS ALL — Jim Bowen, Deputy Support Director, joins the winners of this year's Energy Awareness Week poster contest, sponsored by the Center's Energy Program Office. The youngsters, who received plaques for their posters, are (l.-r.) Reed Christensen, Grade 1, Las Flores School; Crystal Kersey, Grade 2, Rand School; Jennifer Nelson, Grade 3, Vieweg School; Bryan Parker, Grade 4, Faller School; Chris Marshall, Grade 5, Vieweg School; and Sally Sheffer, Grade 6, Faller School.

Mattis.

Others who received certificates were Mark Moran, Craig Porter, Glen Robertson, Robert Scott, Gerald Vanderslice, Edward Varnhagen, Don Waldron, Jim Wandell, Jr., James Weeks, Jim Werle, Soliman Martin, Martin Froehner, Thomas Zulkoski, Richard Lasell, Jr., and James Griswage.

Prior to presenting the Renne Award to Gould, Schaniel briefly discussed the highlights of the past year in the Ordnance Systems Department, and some of the major things coming up in Fiscal Year 85. Mentioned during this presentation were:

- (1) Work on the gun test bay in Bldg. 52, which is the first new gun facility to be added in Code 32.
- (2) Activity headed by Jack Pakulak in the area of thermal research. NWC, Schaniel said, is now the lead Department of Defense activity in this field.
- (3) Installation of a new venting system for the department's 150 gallon mixer.

There will be more emphasis on automation during FY 85, Schaniel noted, as he told of plans to invest in a VAX computer, and a data acquisition system, as well as smaller computers and Xerox memory writers.

A facilities improvement study has been drafted, the head of Code 32 said. One its major items is a 55,000 sq. ft. new building that will replace the Ordnance Systems Department's present administration offices and cafeteria, which are slated for demolition.

MARS provides link between military overseas, homefolks

Military people stationed or deployed overseas can talk to their families or friends back home by calling MARS — not the planet, but the Military-Affiliated Radio System.

MARS is a world-wide network of amateur, professional, and military radio operators who provide military communications under emergency conditions. It's better known though as the voice communications link between service members overseas and their families at home.

For example, by using MARS, a sailor aboard a ship deployed to the U. S. Sixth Fleet in the Mediterranean Sea can contact the MARS station in Norfolk, Va. with available shipboard equipment. The MARS station can then use another station, or commercial telephone, to connect that sailor with his party. The only cost involved is the use of the commercial phone system.

Another MARS service is MARSGRAM — written messages of 25 words or less — which are always free of charge because they're sent through the MARS system exclusively.

To call or send personal messages home from overseas, contact the base or ship's communications department to determine if they are MARS-capable, or are able to locate one.

Calls often have to be scheduled in advance and MARSGRAMS can take from a few hours to several days to get through. For messages of importance or an emergency nature, service members are advised to use a more expedient communications channel, such as the American Red Cross.

Deadline falls today for skills workshop sign-up

Today is the last day to sign up for a "Skills for Success" workshop that will be conducted next Wednesday, Nov. 14, from 8 to 11:30 a.m. at the Training Center.

Instructors Lee Ann Riddoch, head of staff for the Weapons Department, and Bill Bethke, a Personnel Management Advisor in the Personnel Department, will discuss the six skills that make success happen.

To register, telephone Carol Corlett at NWC ext. 2349 today.



ACCURACY ALL-IMPORTANT — Monthly checks are made of the pressure gauge in the Aircraft Department's PME Shop. This is vital, according to AT3 Philip Jackson, who is shown at the test bench, since this gauge provides the standard for, among other things, checking the accuracy of aircraft tire pressure gauges. Either too little or too much air in an aircraft tire could be the cause of a serious accident when a plane lands. This is especially true when the landing is made on the deck of an aircraft carrier.

Aircraft Dept. PME Shop offers valued service

The maintenance, repair and calibration of all avionics, aircraft, engine, and safety-of-flight equipment used at Armitage Airfield is a never-ending job for the 13 technicians who comprise the Precision Measuring Equipment (PME) Shop (Code 61225) of the NWC Aircraft Department.

Calibration of over 250 safety-of-flight and a number of critically required or routine items of equipment each month is just one of the many contributions this workcenter is involved with in keeping NWC aircraft flying.

PME also handles priority repair on test cables and adapters, micro-miniature repair of aircraft circuit cards, and repairs that require the use of major test benches in the Aircraft Intermediate Maintenance Department.

Calibration is defined as the "science of measurement." PME uses procedures by which parameters of the equipment under test are compared to a known proven standard. These "standards" have accuracy that is traceable to the National Bureau of Standards in Washington, D.C.

All equipment used in Naval Aviation must be calibrated at specified intervals to maintain its accuracy. These intervals are the result of engineering studies conducted

at the Metrology Engineering Center in Pomona, Calif., to determine how often adjustments are required and the failure rate of components.

Every piece of equipment calibrated by a Navy Calibration Laboratory has a history file in a data-bank computer at Corona, Calif. Using this data, which is updated by every action performed on a piece of equipment, enables engineers to make adjustments to the calibration intervals on either a specific piece or general type of equipment.

The PME Shop is the major focal point for all calibration actions at Armitage Airfield. The shop personnel are not only responsible for maintenance and repair on a variety of test equipment but they also have to make arrangements for calibration or rework by other activities for equipment beyond the shop's capabilities.

"Flexibility" is the guiding word for the technicians in PME. They are required to be able to do everything from calibration of a torque wrench to micro-miniature repair (replacing resistors, diodes, microchips, and repairing of printed circuit runs) on circuit cards.

The majority of the 1,600 test sets that PME supports are only required to be calibrated once or twice a year. Seeing the

Home study course now available in project management

A self-instructional, home study course entitled "How To Be a Successful Project Engineer" is now available at the Training Center.

The material for this course, which is provided by the American Management Association, is intended for project management personnel, including those responsible for new products, construction, corporate planning, systems development, research and development, corporate relocation, and continuous process maintenance.

The objective of this course is to teach students how to organize a project from beginning to end.

NWC employees interested in taking this course must submit a training request form via department channels to Code 094. Registration is open continuously. There is no deadline for enrollment.

equipment so infrequently causes many problems since the technician cannot become familiar with it and all the information has to be interpreted from the manufacturers' manuals, technical publications and calibration procedures that are available.

With the exception of two personnel assigned from supported activities aboard the Center, all of the technicians are graduates of either the eight-week Precision Measuring Equipment Laboratory (PMEEL) School at Lowry Air Force Base, Denver, Col., or the twelve-week Navy Calibration School at NAS North Island San Diego, Calif.

The technicians of the Aircraft Department's PME Shop are headed by AT1 Dennis Kopulos, as supervisor. Others are:

AT1 Charlie Kiss, AT2 Ron Landry, AT2 Larry Turner, AT2 Mitch Johnson, AT2 Craig Tullio, AQ2 Andy Smith, AQ2 John Burtis, AQ2 Bob Dotson, AQ3 John Commons, AT3 John Otte, AT3 Phil Jackson, and ADAN Rolando Williams.

— by AT1 Bruce Humphrey



DELICATE WORK — AT1 Charles Kiss replaces the amplifier on a printed circuit board. The board is part of a weapons firing circuit test set that is checked by personnel of the Precision Measuring Equipment Shop. — Photo by PHAN Greg Hogan

'Load shed' exercise declared major success

The "load shed" exercise held on Wednesday, Oct. 31, when everyone was asked to turn off any equipment and lights not immediately essential to the Naval Weapons Center's mission, proved a major success.

The total energy used that day was 7.4 megawatt hours less than on the previous day. The greatest decrease occurred at 12:30 p.m., when 2.4 megawatts less power

was being used than on the previous day.

The success of this operation, says Scott Muhn from the Energy Program Office, was due to the tremendous cooperation of everyone on board.

The biggest energy saving came from Michelson Laboratory and the warehouse complex, which dropped an average of 24 percent during the hours of 10:30 a.m. to 1:30 p.m., the time of the load shed exercise. Not only was this the greatest percent-

age drop, but also the greatest actual energy use drop since the laboratory complex uses about 25 percent of the Center's entire electricity.

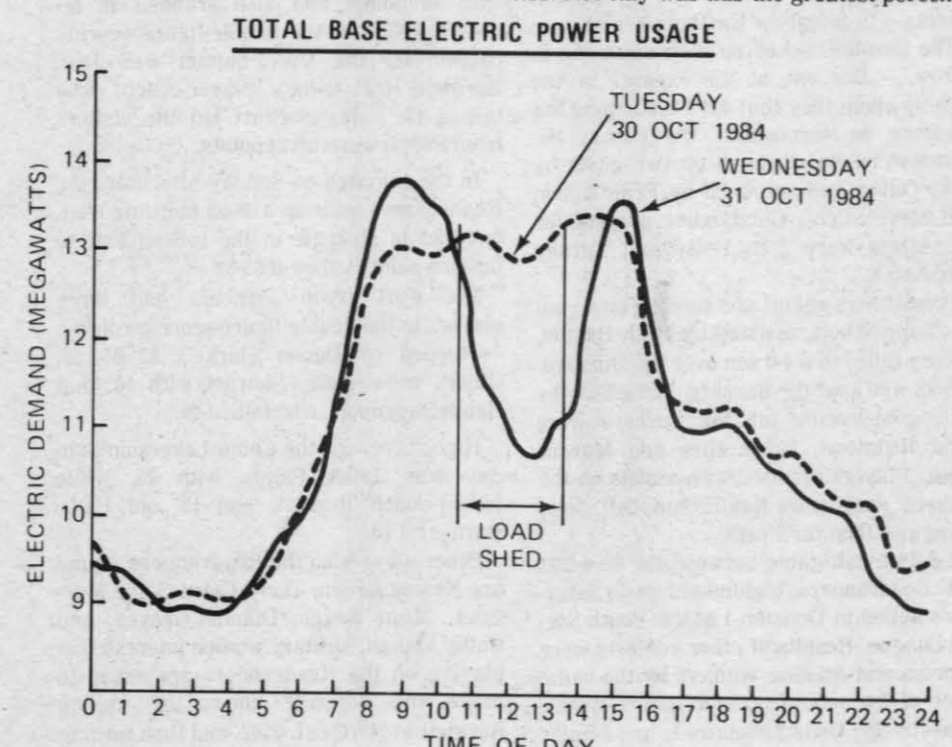
The FH-3 area, which includes some of the housing and some of the main site industrial area, showed a 21 percent drop, although the rest of the housing, including Capehart B housing, dropped only 7 percent.

The airfield complex had an average drop of 20 percent. The range areas that included the Instrument Operations Building and Range Operations Building dropped 17 percent while the part of the range including Thompson Laboratory and the Range Control Center came down an average of 12 percent.

Salt Wells was able to cut 15 percent of its power use, with the China Lake Propulsion Laboratories area coming down 13 percent. The overall load shed at Randsburg Wash was 9 percent, with a test schedule that showed essentially the same as on the preceding day.

The least drop of all recorded was at Lauritsen Laboratory, which was able to shed less than one percent of its load without immediately impacting mission effectiveness.

Muhn expressed special appreciation not only to everyone who helped by flipping off the switches, but also to those who went one step further and spent their time Tuesday and Wednesday, Oct. 30 and 31, reading all the meters that had to be read to determine the effectiveness of the load shed exercise.



Police reports . . .

Theft of a camera from a classroom at Pierce Elementary School was reported last Friday morning to China Lake police. The camera, which disappeared during a Halloween party, is valued at \$16.

BIKE FOUND AT KELLY FIELD

A bicycle, found last Saturday afternoon at Kelly Field on the Murray Junior High School campus, has been turned over to the China Lake police. Whoever owns the bike can claim it at the police station by properly identifying it sight unseen.

Navy Hotline
for Fraud, Waste and Abuse
Call: (800) 522-3451 (toll free)
288-6743 (Autovon)
(202) 433-6743 (commercial)