

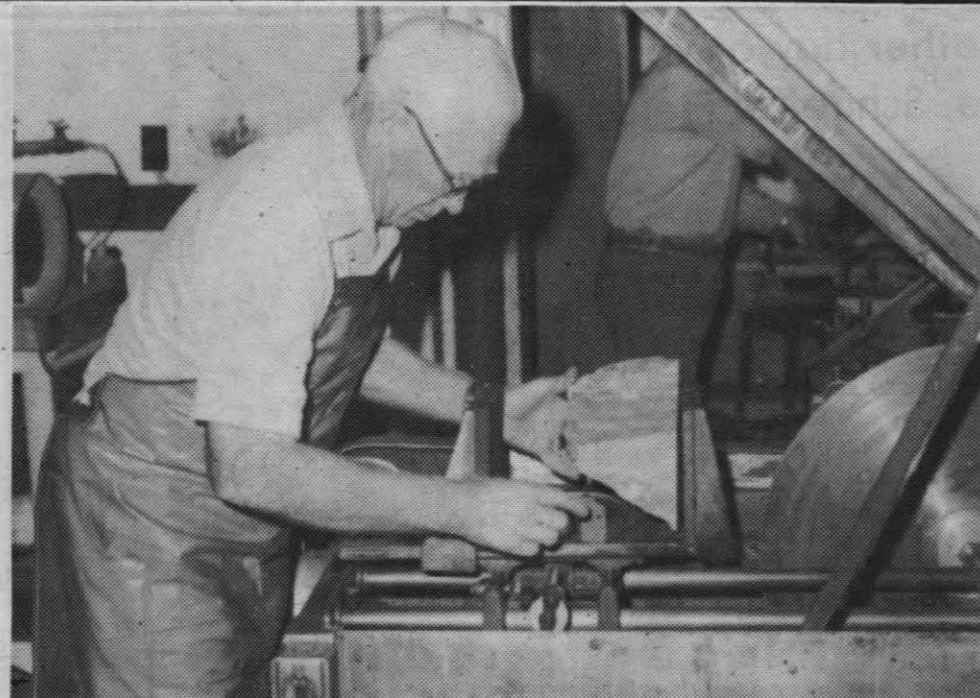
Van Aken to speak about rocket car at AIAA meeting Nov. 7

A talk and film slide presentation about the Budweiser rocket car that is the current holder of the world's land speed record will be presented next Friday, Nov. 7, during a luncheon meeting of the China Lake Section of the American Institute of Aeronautics and Astronautics (AIAA).

The meeting, which is open to all interested persons, will be held in the China Lake Propulsion Laboratories cafeteria, located adjacent to the Ordnance Systems Department's (Code 32) conference room.

The speaker will be Ray Van Aken, acting head of Code 32's Airframe Special Project Office, who contributed to the aerodynamic design of the Budweiser rocket car, and was involved in speed run performance analysis and prediction.

In order to be able to accommodate the large number of persons interested in hearing and seeing the presentation by Van Aken, those planning to attend the AIAA luncheon meeting are asked to call George Benedict, at NWC ext. 3628, or Frank Wu, at ext. 3551, by next Wednesday, Nov. 5.



GETTING READY — Roy Briscoe, lapidary chairman of the Indian Wells Gem and Mineral Society, puts a rock into a vise in preparation for further work on it as he gets ready for the Society's 24th annual Gem and Mineral Show to be held at the Community Center Nov. 1 and 2. —Photo by Ron Allen

Gem, Mineral Show slated this weekend at Community Center

The annual show presented each fall by the Indian Wells Valley Gem and Mineral Society will be held tomorrow and Sunday at the Community Center. This event will be open to the public from 10 a.m. to 10 p.m. on Saturday and from 10 a.m. to 5 p.m. on Sunday.

All interested persons are invited to attend, and there is no admission charge. During the hours that the show is in progress, special event gate passes for use by visitors will be available at the main gate of the Naval Weapons Center.

Weeks of preparation for the gem and mineral show have culminated in an event that will include displays and demonstrations, as well as field trips to local gemstone collecting areas, Virginia Boyd, chairman of this year's show, stated.

Among the more than 60 cases of highly prized work by local rockhounds will be some very fine mineral specimens from the collections of both novice and expert collectors.

Demonstrations that are planned include those by Ed Albright, who will show how he transforms rough gems into beautifully faceted stones, while Ed Wagner will be making arrowheads for the entertainment of both young and old.

In addition, Roy Briscoe, lapidary chairman for the IWV Gem and Mineral Society, and his crew, will be using a diamond saw to cut open geodes that will be

offered for sale during the show. For the purchase price of an uncut geode, the buyer can have a member of the lapidary crew saw open the geode to reveal a bit of natural beauty never before seen by man.

Two lectures are scheduled on Saturday as part of the gem and mineral show. At 2:30 p.m., Ralph Dietz, a local expert, will give a talk on "Diamonds." In the evening at 7:30, Ken Pringle, a well-known authority on mineralogy, will speak about "Local Minerals." Both speakers will be introduced by Dick Fulmer, who has been an active participant in the IWV Gem and Mineral Society for many years.

Two field trips are planned each day, and the starting point will be the parking lot of the Community Center. On Saturday, starting at 10:30 a.m., Dick Compton will lead an outing to the Lava Mountains, where onyx can be found. Four-wheel drive vehicles are required for this trip.

There also is a field trip on Saturday that will be led by Russell Allen. Its destination is Rainbow Ledge, where the objective is to find jasp-agate. This trip will start at 10:45 a.m.

On Sunday, Craig Rae will lead a field trip to Honey Hill in search of Onyx. This trip will begin at 10:30 a.m.

Compton is scheduled to lead another field trip on Sunday—this one starting at 10:45 is also for those who are interested in digging for onyx.

Picks, shovels and pry bars will be needed by those interested in finding onyx, and all those planning to take part in the field trips are advised to bring their lunch and drinking water, and to wear sturdy shoes, warm clothing and jackets.

For those unable to go on the field trips to find their own gem or mineral specimens, there will be sales booths manned by Indian Wells Valley Gem and Mineral Society members at which show patrons can purchase a wide variety of minerals, lapidary materials, and jewelry.

Commissary operation to be discussed at meeting

All patrons of the Commissary Store, whether active duty or retired military or their dependents, are invited to hear a presentation to be made by Cdr. A. L. Janse, on Thursday, Nov. 6, at 7:30 p.m. at the Chief Petty Officers' Club.

Under the sponsorship of the CPO Wives Club, Cdr. Janse who is Director of the Commissary Store Group Field Support Office, San Diego, will describe what the Commissary Store is, what it does and how it is funded.

Following his presentation, he will answer any questions about Commissary Store operations that the audience may have.



Commissioned Officers' Club

A seafood menu, that will delight even the most particular fish lovers, will be offered this evening from 6 to 10 o'clock in the Commissioned Officers' Mess dining room.

Next Thursday, Nov. 6, the COM chef will prepare a choice of three dishes that will be featured on the Chinese Night menu.

A choice of beef Mandarin, egg foo yung, or sweet and sour spareribs will be served in the COM dining room from 6 to 9 o'clock.

Chief Petty Officers' Club

A Halloween party, costumes and all, is on the agenda this evening at the Chief Petty Officers' Club.

Ghouls and ghoulies alike will vie for prizes based on the best costumes, and dancing music and merrymaking will be provided by "The Message," a 5-piece combo from the Los Angeles area.

The party will begin at 8:30 p.m. and continue until 12:30 a.m. It will be preceded by a dinner in the CPO Club dining room offering menu choices of prime ribs of beef or Icelandic cod.

Enlisted Mess

"Avon," a local rock-music band led by Avon Burrell, will provide the musical entertainment this evening from 9 to 1:30 a.m., at a festive Halloween costume party at the Enlisted Mess.

Prizes will be awarded to the wearers of costumes judged to be the most appropriate for the Halloween theme.

A seafood plate with lobster is the main item being offered to patrons in the EM dining room this evening from 6 to 8:30.

Starting on Monday, there will be a new addition to the lunchtime menu at the EM.

From 11 a.m. to 1 p.m. Monday through Friday, the EM will feature a deli counter. EM patrons will be able to create their own sandwiches from a selection of various breads and meats, such as ham, roast beef or turkey. Soup or salad will be included in this lunchtime fare for the price of \$2.25 per person.

China Lake Players' last show in hut to open on Nov. 7

The final production to be shown at the China Lake Players Hut opens a six-performance run on Friday, Nov. 7, at 8:15. Presentation of Philip King's farce "See How They Run" marks the end of an era because the hut, at 405 McIntire St., is scheduled for demolition shortly, and the China Lake Players will be in new quarters.

This last show will be staged on Fridays and Saturdays, Nov. 7 and 8, 14 and 15, and 21 and 22. General admission charge is \$3, with students, senior citizens and enlisted military admission being \$1.50.

Because of the hut's limited seating capacity, reservations to attend the play are necessary. They may be made by telephoning either 375-5636 or 375-9056.

Metal Trades Council

The next monthly meeting of the Indian Wells Valley Metal Trades Council will be held on Thursday, Nov. 6, starting at 7:30 p.m. at 65-B Halsey Ave., China Lake.

U.S. Government Printing Office: 1980—No. 1050

From: _____

To: _____

PLACE STAMP HERE

CFC ends today; turn in pledge cards, donations

Today is the final day of the 1981 Combined Federal Campaign; any pledge cards or donations still outstanding may be turned in at Rm. 2020 in the Administration Building during the next few days.

Lcdr. Bob Strath, CFC coordinator for this year's campaign, urges that anyone who has not yet filled out a card to please do so because the work being accomplished by the 40 member agencies of the CFC is vital to the health and welfare of those of all ages living in this country and the rest of the free world.

Agencies represented by the CFC affect the life of everyone — whether it be through health or safety services, through referrals, or through any of the myriad of other services performed.

Donations can be made in the form of payroll deductions (starting with the first check of January 1981), cash or check. All donations are tax deductible, and may be designated to aid any one of the member agencies or groups of agencies represented by the CFC.

As of last Friday, the three-quarter point of the campaign, only 35.6 percent of the Center's work force of military and civilian personnel had turned in their pledge cards.

"I hope that this poor showing just means that the key personnel have not yet turned in the contributions that they have collected," notes Lcdr. Strath, "because NWC personnel have long been known for their caring attitude toward their fellow human beings. And the money contributed to the CFC helps meet many human needs."

Another meeting on Demonstration Project set Nov. 7

There will be another information meeting with an opportunity for formal comments on the Demonstration Project next Friday, Nov. 7, in the Michelson Laboratory auditorium (Rm. 1000 D). The meeting will begin at 1 p.m. and will be conducted by Steve Sanders, Center Civilian Personnel Officer.

With Sanders on the hearing panel will be Frank Knemeyer, Demonstration Project Manager, and Dick Johnson, associate head of the Personnel Department. All of the Center's GS-12 "specialist" personnel who would like to make a statement for the record are invited to attend the session.

This population generally includes engineering data management, computer, logistics management, equipment, and quality assurance specialists.

PURPOSE OF MEETING

The purpose of the meeting is to provide interested persons or employee organizations an opportunity to present written or oral views concerning the Demonstration Project to the Office of Personnel Management (OPM) and Navy officials prior to the entry of GS-12 administrative / specialist personnel into the project.

The hearing is not intended to be a question and answer session to provide general background on the Demonstration Project to attendees (although issues or questions raised as a result of witness statements may be addressed by the panel.)

Individuals desiring to make statements are requested to contact Marjo Monsalve by calling NWC ext. 2676 so that presentation times can be assured. Callers should be prepared to provide the following information when calling to get on the speakers' schedule: name, address, organization or group represented, if any, estimated time of presentation and whether or not a written text will be submitted.

Comments from presentors will be limited to 15 minutes each to permit all parties an opportunity to be heard. The meeting will be recorded so that a typewritten transcript of the meeting can be subsequently provided to OPM and to Congressional staff.



NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA

Tech. Director's Award presented for contributions to new standoff weapon

Four Naval Weapons Center employees were the recipients last week of the Technical Director's Award for their major contributions to the extensive teamwork required to bring a new standoff weapon — called Skipper — from the idea stage to the holding of successful feasibility tests within the brief span of seven months.

Recipients of the awards that were presented by Bob Hillyer, NWC Technical Director, during Monday morning's Commander's Meeting were Ralph Bernard, Dwight Weathersbee, James Weidenkopf, and Robert Sellers.

Bernard and Weathersbee are both employees of the Ordnance Systems Department, where Bernard is head of the Propulsion Systems Division's Advanced Systems Office and Weathersbee is program manager of the Skipper weapons system.

Weidenkopf is a mathematician in the Electronic Warfare Department's Systems Analysis Branch, while Sellers is an electronics technician in the Weapons Department's Laser Guidance Branch.

NOTEWORTHY EXAMPLE

As he extended his congratulations to the award recipients, Hillyer commented that their outstanding effort on the Skipper weapons system demonstration program was done in a way that typifies what in-house research and development centers are all about.

"Your expertise and professionalism, combined with a 'can do' attitude, caused this program to be completed in very short time with minimal funding," the Technical Director said.

It was further noted in letters of commendation for technical accomplishment that accompanied the Technical Director Award that the four men, who were singled out from a group of some 30 Center employees involved in the Skipper weapons system demonstration program, demonstrated that NWC can provide the Fleet



TECHNICAL DIRECTOR AWARD RECIPIENTS — Singled out as key contributors to the Skipper weapons system demonstration program were (l.-r.) Ralph Bernard, Robert Sellers, Dwight Weathersbee, and James Weidenkopf, who last week became the latest recipients of the NWC Technical Director's Award. The four men are standing behind the computer control group for a laser-guided bomb (LGB) with Sellers holding the gravity-bias package that can be integrated into an existing LGB by merely mating the connectors. No re-wiring or other work is necessary. —Photo by Ron Allen

quickly with an improved anti-ship capability by recombining existing weapons system elements and thereby enhancing the value of the Navy's existing ordnance inventory.

In addition to the letters of commendation, each of four men received an engraved paperweight and a \$300 stipend that accompanies this special form of a

Superior Achievement Award.

Bernard was singled out for his efforts in conceiving the idea for Skipper in response to requests for weapons systems that could be provided to a Rapid Deployment Force. As part of his overall guidance of the Skipper weapon system demonstration program, Bernard prepared proposal

Solar ponding holds promise of alleviating dust problems attributed to Owens dry lake

A creative solution to the Owens dry lake dust problem could result in the generation of electricity. A demonstration project of solar ponding is being considered by the members of the Owens Dry Lake Task Force, which is conducting a study of ways to keep the Owens Lake dust in Owens Lake.

Owens Lake dried up after the Los Angeles Department of Water and Power built its aqueduct in 1913. The dry lake bed, owned and managed by the State Lands Commission, produces dust that several times each year has forced closure of NWC ranges to tests, and is presumed to be a health hazard to area residents.

Contracts for studying how to allay the dust are now in second draft stage. A bill co-sponsored by Assemblyman Phil Wyman and State Senator Walter Stiern allocated \$250,000 for study of methods to allay the dust. Of that amount, \$175,000 will go into contracts to study vegetative, non-vegetative, and air quality management solutions, with another \$75,000 held to follow up on promising leads.

Solar ponding looks so promising to the task force that the members of that group formed a separate group with nearly the

same membership to study that alternative. Members consist of the Great Basin Unified Air Pollution Control District, Inyo County, Los Angeles Department of Water and Power, State Lands Commission, and the Naval Weapons Center, augmented by representatives of the Jet Propulsion Laboratories of Pasadena, which is involved with solar pond proposals for the Salton Sea.

A representative of the energy study group in Governor Jerry Brown's office saw the potential of Owens dry lake as a site for a small, state-funded demonstration project of solar ponding, and is helping the task force.

In a solar pond the sun's rays are used to generate electricity through a reverse convection process. Shallow ponds are filled with brine of increasing density, the heavier brine sinking to the bottom of the pond and relatively pure water on top. The sun's heat is captured increasingly by the brine, with surface temperatures of the saline ponds being only 80 to 90 degrees F. The heating process is gradual enough when ponding begins so that the underwater temperature varies little day or night, summer or winter.

The heated water is used to vaporize a low boiling point fluid such as freon; when the freon vaporizes, it is used to power a turbine to generate electricity.

The solar pond does not need external energy storage systems, is relatively cheap to build and maintain, and does not require the high-technology needed by some of the solar-generated electricity options.

Owens Lake is well suited for solar ponding because, although the lake surface is dry, saline water can be pumped to the surface from very shallow wells. The Pittsburgh Plate Glass Co., which formerly had a plant on the western side of the lake, has indicated it would support solar ponding by contributing its building, land, and water supply of brackish water.

The amount of insolation — sunshine — is greater in the Owens Valley than any of the coastal sites previously considered for solar ponding by the state energy study group.

If a small demonstration project can be built and successfully established, the Owens Dry Lake Solar Ponding Study Group will endeavor to get Department of Energy funding for a large-scale demonstration

MOVIES

Regular starting time—7 p.m.

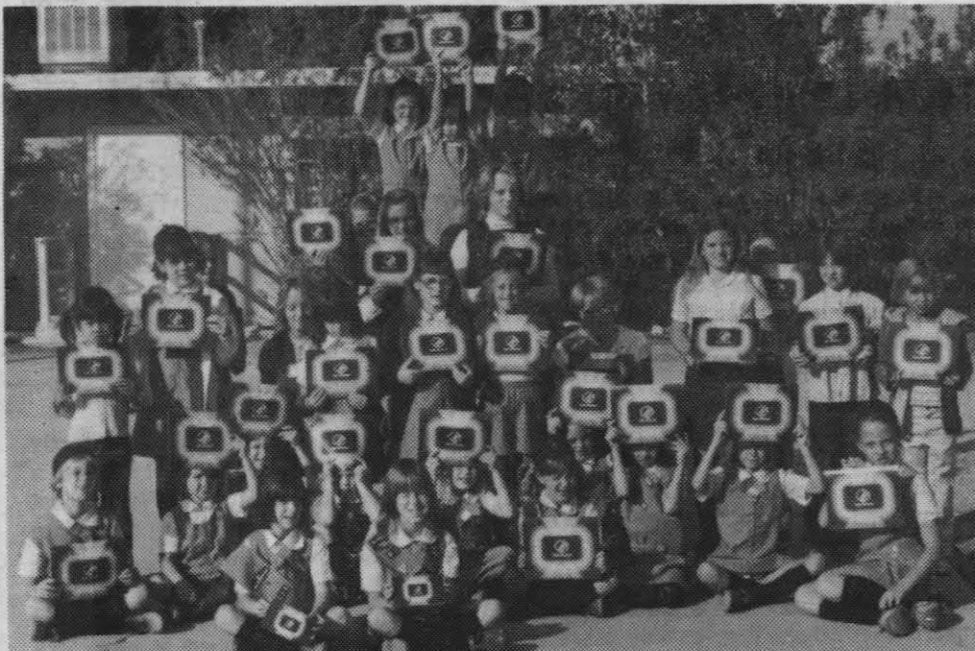
FRIDAY OCT. 31
"COUNT DRACULA AND HIS VAMPIRE BRIDE"
Starring
Peter Cushing and Christopher Lee
(Horror-drama, rated R, 95 min.)

SATURDAY NOV. 1
"PRISONER OF ZENDA"
Starring
Peter Sellers and Lynne Frederick
(Comedy, rated PG, 115 min.)

SUNDAY NOV. 2
"LORD OF THE RINGS"
(Animation, rated PG, 133 min.)

MONDAY NOV. 3
"FORCE OF ONE"
Starring
Jennifer O'Neil and Chuck Norris
(Drama, rated PG, 91 min.)

WEDNESDAY NOV. 5
"THE LADY VANISHES"
Starring
Elliott Gould and Cybill Shepard
(Comedy-adv., rated PG, 95 min.)



COUNTDOWN FOR CALENDAR SALE — In preparation for the annual Girl Scout calendar sale, which begins tomorrow and will continue through Nov. 21, Girl Scouts from Roadrunner Neighborhood of the Joshua Tree Council met last Saturday to receive instructions. The 1981 calendars are available in both a wall desk style and a convenient pocket size. Proceeds from the sale of calendars, priced at \$1.25 each, will be used to support various activities engaged in by Brownies, Juniors and Cadette Girl Scouts. The girls are not permitted to accept checks, so prospective customers are reminded to have cash ready to pay for the calendars when the young saleswomen visit their homes. Anyone who wishes to purchase one or more of the calendars, but is not contacted by a Girl Scout, can make arrangements to obtain a calendar by calling 375-7901.



READY FOR AERIAL TOUR—William R. Thomas (at right), 18th Congressional District Representative, was a recent visitor to the Naval Weapons Center. He was welcomed by Capt. William B. Haif, NWC Commander, and Bob Hillier, Technical Director, prior to discussing aircraft corridor encroachment concerns and geothermal developments with William R. Hattabaugh, the Center's Test and Evaluation Director (shown boarding helicopter), and Capt. John Ives, Public Works Officer. During an hour-long helicopter flight, Congressman Thomas was flown over the aircraft approach corridors to the NWC ranges and also was given an aerial view of the development work currently in progress at the Coso geothermal area.

Memorial service for Dr. Engle set tomorrow at All Faith Chapel

Friends and former co-workers of Dr. Rene Laurent Engle were saddened to learn of his recent death, which resulted from injuries sustained in a fall. A memorial service for him will be held tomorrow at the All Faith Chapel at 1 p.m.

Dr. Engle, a native of Chatou, France, held degrees as a chemical engineer and a master of science from the University of Paris, and a Ph.D. degree in geology from the California Institute of Technology.

During World War I he was a major in the French Artillery and Chemical Corps; during World War II he was imprisoned in the Japanese prison camp at Santo Tomas in the Philippine Islands, where he had gone in 1940 to help establish basic chemical industries in the islands.

Dr. Engle was decorated for the work he accomplished for American Army Intelligence while imprisoned and during the re-establishment of order in the Philippines after World War II.

During a long and active career prior to his first retirement at age 65, he worked in fields as diverse as reconstructing Indian pottery, authenticating old masterpieces of art, mining exploration, research on explosives and screening smokes, and teaching before he became curator of Mineralogy at the Los Angeles County Museum.

Dr. Engle, finding retirement boring (all he had done since age 65 was to set up a mining and milling company and open a tungsten mill at Weldon), joined the Naval Ordnance Test Station in 1958 at age 71.

At NOTS (now NWC) he organized a program in oceanography, began studies in the use of

porpoises as helpers for divers, and began the construction of a series of small submarines in submarine search and rescue and oceanographic research from small submersibles grew.

Again forced to retire because of his age (79) in 1966, he turned to consulting in mining and geology. He was chief scientist of the task force that prepared the seismic safety element of Kern County's General Plan. He was active also in a number of community affairs during his final retirement in Wofford Heights, where he lived with his wife Marcelle.

He was a fellow of the American Association for the Advancement of Science, the Geological Society of America, American Association of Petroleum Geologists, and the American Chemical Society.

Phone nos. listed for requesting home repairs

Starting tomorrow, there will be a second telephone number for use by occupants of family housing units and bachelor civilian quarters who wish to report housing repair needs.

On normal working days, between the hours of 7:30 a.m. and 4:15 p.m., emergencies should be reported immediately by calling the trouble desk, phone NWC ext. 2268. At all other times, emergencies can be reported by calling NWC ext. 2917.

Requests for routine repairs can be made by calling NWC ext. 2268 between 7:30 a.m. and 4:15 p.m. on regular working days.

The Rocketeer

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Phones



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 appointable (i.e., career/career conditional and VRA) NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

Announcement No. 09-13KLC, Electrician (High Voltage) Helper, WG-2816-05, JD No. 173N, Code 26445 — The purpose of this advertisement is to establish a register to fill temporary (not to exceed one year) electrician (high voltage) helper vacancies. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept applications from reinstatement eligibles, individuals currently on Civil Service Registers, and individuals not on registers who have skills necessary to qualify for this position. This position is in the Electrician and HVAC Branch, Maintenance & Utilities Division, Public Works Department. The incumbent assists journeymen in the installation, maintenance and repair of transmission and distribution lines and equipment and accessories connected with power transmission. This includes overhead and underground lines, transformers street lighting systems and switching gear. Job Relevant Criteria: Reliability and dependability; shop aptitude and interest; ability to follow instructions in shop; dexterity and safety; ability to work as a member of a team. Supplementals may be picked up at the receptionist's desk in the Personnel Department, Bldg. 34.

Announcement No. 24016, Firefighter, GS-081-3, PD No. 7924014N, Code 242 — The purpose of this advertisement is to establish a register to fill temporary (not to exceed one year) firefighter vacancies. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept applications from reinstatement eligibles, individuals currently on Civil Service Registers, and individuals not on registers who have skills necessary to qualify for this position. This position is in the Fire Division of the Safety and Security Department. The incumbent will perform the basic tasks required to carry out the fire protection and fire prevention programs at this activity. Fire hazards which may be encountered include structural, aircraft, explosives, and fuels and propellants.

Announcement No. 24017, Firefighter, GS-081-4, PD No. 7924014N, Code 242 — The purpose of this advertisement is to establish a register to fill temporary (not to exceed one year) firefighter vacancies. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept applications from reinstatement eligibles, individuals currently on Civil Service Registers, and individuals not on registers who have skills necessary to qualify for this position. This position is located in the Fire Division of the Safety and Security Department. The incumbent will perform the basic tasks required to carry out the fire protection and fire prevention programs at this activity. Fire hazards which may be encountered include structural, aircraft, explosives, and fuels and propellants.

Announcement No. 24015, Safety Specialist, GS-018-779, PD No. 7940252N, Code 245 — Position is located in the Explosives and Laboratory Safety Division, Safety and Security Department. Position will be filled at the advanced trainee GS-7 level, or at the GS-9 level. The incumbent is responsible for developing the safety program in this area. Duties will include assisting managers in the conducting of safety surveys in their respective shops, identification and elimination of hazardous conditions, recommending corrective actions, implementing new program development and preparing safety education material. Job Relevant criteria: GS-7 Level — Ability to work effectively with individuals and groups in the promotion of safety programs; ability to communicate both orally and in writing in an effective manner; ability to understand, appreciate, and visualize accident hazards in an RDT&E work environment. GS-9 Level — Knowledge of safety principles; knowledge of the techniques of accident prevention, experience working with explosives, propellants, and pyrotechnics; ability to communicate effectively, both orally and in writing. Promotion potential to GS-11. Status eligible accepted.

Announcement No. 24-026, Secretary (Typing), GS-318-5, PD No. 8024080N, Code 247 — Position is located in the

Transportation Division of the Public Works Department. Incumbent provides clerical, typing and other administrative support to the personnel and head of the Transportation Division. Duties include screening of correspondence; maintaining files; receiving visitors and phone calls to the division; maintaining calendar for division head; arranging for conferences and meetings; making travel arrangements; and providing guidance and assistance to personnel assigned to the division. Job Relevant Criteria: Knowledge of NWC and Navy correspondence procedures; ability to tactfully handle work contacts both within and outside the Center; ability to exercise initiative; ability to organize and facilitate the work of the office.

Announcement No. 31-010, Supervisory Physicist, DP-1310-4, Supervisory Electronics Engineer DP-855-4, PAC No. 8031682, Code 31401 — This position is that of associate head, Avionics Division, Aircraft Weapons Integration Department. The incumbent performs as a full associate in the management of the division. In addition to these duties, the incumbent acts as program manager for selected avionics projects and perform as a senior consultant/advisor to all programs within the Division. Job Relevant Criteria: Ability to supervise a large group of professional/non-professional technical personnel; ability to plan and manage high technology avionics programs; ability to make oral and written reports and presentations clearly, concisely and effectively; ability to establish and maintain effective working relationships here at NWC as well as between the Systems Commands and other services; detailed knowledge of existing and projected avionics systems and the technologies applicable to future advanced avionics systems.

Announcement No. 32-008, Explosives Worker, WG-4502 4, JD No. 618, Code 3272 — (Promotion potential to Explosives Operator WG-8) Position is located in the Propellants Branch, Propulsion Systems Division, Ordnance Systems Department. Incumbent performs a variety of manual and mechanical tasks in plastics fabrication, solid rocket motor case lining, assembling disassembling, mixing, casting, machining, inhibiting and general processing of plastics, munitions and propellants using several types of equipment. Receives, stores, and ships these items. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; technical practices (aptitude for learning trade theory and practice); ability to interpret instructions, specifications, etc. (including blueprints); knowledge of materials; dexterity and safety.

Announcement No. 34-012, Library Technician, GS-1411-4, PD No. 7553018, Code 2433 — Position is located in the Acquisitions Branch, Library Division, Technical Information Department. Receives and distributes a wide variety of periodicals. In the case of missing issues, incumbent must send claim to publisher/vendor. Prepares periodicity for "table of contents" list. Operates mail desk. Job Relevant Criteria: Knowledge of methods used to bind and store periodicals; knowledge of procedures used to record periodicals; knowledge of methods used in locating missing issues. Promotion potential to GS-5.

(Continued on Page 7)



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1000
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.
Communion Service first Sunday of the Month.

ECUMENICAL
Wednesday Noon Bible Study 1130
Thursday Men's Prayer Breakfast 0630

ROMAN CATHOLIC
MASS
Sunday 0830 1130
Nursery, Chapel Annex 1 0815 1245
Daily except Saturday, 1135, Blessed Sacrament Chapel

CONFESSIONS
Daily 1115 to 1130
Sunday 0800 to 0825

RELIGIOUS EDUCATION CLASSES
Sunday Pre-school thru 11th grade 1000
Above classes are held in the Chapel Annexes across from the former Center Restaurant.
Sunday after-noon 12th grade 1630
As announced "In Home" Discussion Groups and Youth Raillies
Contact Chaplain's Office for specifics.

JEWISH SERVICES
EAST WING—ALL FAITH CHAPEL
Sabbath Services every Friday 1930
UNITARIANS
CHAPEL ANNEX 95
Sunday Services—(Sept-May) 1930.

Reassignment opportunities

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

Announcement No. 35010, Electronics Engineer, DP-855-3, PAC No. 8035488E, Code 35043 — Position is located in the Systems Engineering Group of the High Speed Anti-Radiation Missile (HARM) Technical Management Office, Electronic Warfare Department. Incumbent serves as the aircraft integration engineer and is responsible for developing and integrating the HARM Weapon System into various Navy aircraft. Incumbent will ensure that the NWC A-7 ECs are upgraded to the latest HARM configuration and integrated with the latest HARM Avionics to support NTE/OPEVAL. Incumbent will also support the F-18 and A-6E HARM Development.
SF-171 must be submitted to Janet Thomas, Personnel Bldg., Rm. 204.

Results reported of another day of youth soccer play at Davidove, Schoeffel Fields

Another 16-game schedule of games was played last Saturday at Davidove and Schoeffel Fields by teams participating in the China Lake Youth Soccer League.

Results of the games (by division) were: Division One—Owls 5, Coyotes 0; Eagles 3, Hawks 1; and Cobras 1, Roadrunners 0. Division 2—Apollos 0, Express 0 (tie); Rowdies 2, Fury 0; and Sunshine 1, Chiefs 0. Division 3—Sockets 2, Earthquakes 1; Lancers 2, Aztecs 0; Cosmos 3, Blizzard 0. Division 4—Drillers 2, Atoms 0; and Strikers 3, Timbers 1.

Division 5—Surf 0, Sticks 0 (tie); Tornado 6, Rogues 1; Sounders 2, King 0; Diplomats 4, Hurricane 2; and Roughnecks 2, Whitecaps 1.

Competition in Division 1 (for 1st graders) was highlighted by the undefeated Owls' 5-0 shutout of the Coyotes. The game was a scoreless tie at the end of the first half, but the Owls, led by Derek Brown's 3 goals, took control in the second half.

Also in Division 1, two goals by Ryan Christensen gave the Eagles the edge they needed to defeat the Hawks 3-1.

Two goals by Derek Lindsay were the only scores in the 2-0 win by the Rowdies over the Fury in their Division 2 contest. Jeff Hannon turned in a topnotch job as goalie for the Rowdies.

Hunters out for chukar, quail do well in range area

A total of 1,224 hunters took advantage last Saturday and Sunday of the opportunity to try their luck hunting for chukar, quail and jackrabbits in the northern range area of the Naval Weapons Center.

The hunters, who paid little heed to cold and cloudy weather accompanied by some showers, were rewarded with a total bag count of 1,381 chukar, 798 mountain quail, and 61 jackrabbits.

Hunting for chukar was slow on Saturday, but picked up some on Sunday. For this area, this was an unusually large take of mountain quail, Tilly Barling, head of the NWC Natural Resources Management Office, reported.

The same sections of the NWC range area will be open tomorrow and Sunday for what will be the second and final weekend of upland game hunting for this year on Center. Hunting will be authorized between 6 a.m. and 5 p.m. on both days. No more permits are available for this hunt.

No one, regardless of their age or sex, will be permitted to enter the hunting-area who does not have a valid California hunting license. Mrs. Barling reminded prospective hunters.

In contrast to last year's overcrowded conditions, the limitation on the number of hunters (1,250 each weekend) helped to make things go very smoothly last Saturday and Sunday, Mrs. Barling added.

Everyone enjoyed it more, and there was less congestion on the roads, she added.

Reports were received of good hunting for quail off-Center in the Nine Mile Canyon area, as well as in Horse Canyon and in Walker Pass.

Burros lose . . .

Quartz Hill. Wearing down the Burros' defense, the Rebels advanced the ball to the BHS 1-yd. line and the final 3 ft. into the end zone was gained by Stanboro. The extra point was good on a kick by Crew to give Quartz Hill its most sizable lead of the game (35-13) with 2 min. left to play before the start of the fourth quarter.

In another tightly-played Division 2 game, Sunshine edged the Chiefs 1-0 as the result of a single goal tallied by Tommy Markarian.

Two evenly matched teams battled it out in the first of three games played in Division 3 (for 3rd graders). The Sockets had the best of it — posting a 2-1 win over the Earthquakes. Ernesto Tatanay and Mike Monzingo tallied for the Sockets, while Mike Thomas booted in the only goal for the Earthquakes.

A scoreless first half in the game between the Lancers and Aztecs was turned around by the Lancers, who got their offense rolling and tallied twice to win it 2-0 in the second half. Chris Mills and Scott Arts got the game-winning goals for the Lancers.

Good passing by the forwards for the Cosmos contributed to their 3-0 win over the Blizzard. Ricky Holmes tallied twice and Mark Frisbee scored once for the Cosmos in this Division 3 contest.

Best of two games played in Division 4 was the Strikers' 3-1 win over the Timbers. Matt Ziegler and Robert Hudson led the Strikers. Ziegler tallied twice (once on a solo effort and once on an assist by James Miller), while Hudson scored unassisted.

The Roughnecks and Whitecaps battled on even terms in their Division 5 contest. The score was tied 1-1 until the last minute of the game when a shot by Scott Parmenter of the Roughnecks bounced off the Whitecaps' goalie and into the net to win the game. The Roughnecks' first tally was scored on a penalty shot by Corey Trovinger. The lone goal for the White Caps was scored by Andy Corzine in the first half.

The Sounders' 2-0 defeat of the Sting was aided and abetted by good fullback play, as well as good work by the Sounders' goalie. Goals in this game were scored by John Peterson and Tim Wee.

Mike Mills was singled out as his team's best offensive player in the Diplomats' 4-2 win over the Hurricane. Mills scored two goals in the first half, with assists from Shaw Carter and Greg Burnes, and also was credited with an assist on a goal tallied by Craig Roberts.

Opportunities . . .

(Continued from Page 2)

Announcement No. 62009, Engineering Technician, GS-802-9/10/11, PD No. 802627A, Code 62122 — This position is located in the Safety Test Section of the Range Department. The incumbent performs safety tests of ordnance items and maintains test facilities and test sites. Job Relevant Criteria: Ability to assess and provide the required procedures, facilities, and set-ups for safety tests of ordnance items; ability to conduct ordnance item safety tests; knowledge of electrical control and conduct vibration, shock, temperature, humidity, bullet impact and ejection shock tests. Job Relevant Criteria: Knowledge of theories and practices of vibration and shock test procedures; ability to apply military specifications and documented test procedures to experimental test environments; knowledge of a wide variety of ordnance items. (for GS-11) — Ability to plan, devise, and set-up, experimental test procedures and analyze the results.

Announcement No. 62009, Engineering Technician, GS-802-9/10/11, PD No. 8042077, Code 62122 — This position is located in the Environmental Test Section of the Range Department. Incumbent will plan and conduct vibration, shock, temperature, humidity, bullet impact and ejection shock tests. Job Relevant Criteria: Knowledge of theories and practices of vibration and shock test procedures; ability to apply military specifications and documented test procedures to experimental test environments; knowledge of a wide variety of ordnance items. (for GS-11) — Ability to plan, devise, and set-up, experimental test procedures and analyze the results.

Announcement No. 59, Child Care Attendant, PS-0189-2, \$3.44 per hour plus benefits, permanent, part-time, Recreational Services Department, Code 22 Children Center — This is not a Civil Service position. Duties are to direct and supervise children; help with required clean-up of area and equipment; aid in preparation of materials and activities. Job Relevant Criteria: High school graduate or equivalent; familiar with techniques of counseling, disciplining children; first aid and fire safety procedures; able to carry 40 lbs.; constant walking and standing. Apply with Bettye Cheatham, Bldg. 21, Ph. 3387/3388.

Announcement No. 09-14KLC, Wrangler, WG-5035-5, JD No. 734, Code 2432 — The purpose of this advertisement is to establish a register to fill temporary (not to exceed one year) wrangler vacancies. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept applications from reinstatement eligibles, individuals currently on Civil Service Registers, and individuals not on registers who have skills necessary to qualify for this position. This position is in the Engineering Division of the Public Works Department. The incumbent works directly with the Center's feral management program. Duties include water trapping, health care, and herding of approximately 300 burros per year. Note: Applicants must provide own mount and tack if hired. Job Relevant criteria: Ability to do the work of the position without more than normal supervision; technical practices; use of measuring instruments; ability to interpret instructions, specification etc.; ability to use and maintain tools and equipment; knowledge of materials; and dexterity and safety. Supplemental qualifications statement may be picked up at the Receptionist's Desk, Personnel department, Bldg. 34.



DISEASE WARNING — Parents are urged to keep close watch on their children for symptoms of the yearly "Neewollah virus" expected to hit tonight. Symptoms vary but in most cases can bring on a complete physical change within a matter of minutes (in some cases, children even become invisible). Specialist agree that the best remedy is to let the 24-hr. bug run its course and treat it with a dose of sweets. Infected by the virus are (l. to r.) Kelly Sittler, Chad Carter, Jeannie Kellum and Amy Carter (Jeannie has become invisible). —Photo by PH2 Tony Garcia

Parents should take precautions to make Halloween a safe, sane, happy occasion

Halloween, which will be observed tonight, is a fun time for kids. Remember that many of them will be out dressed in costumes with bags in hand to gather treats. Residents are urged to have their home entrances lighted while Halloween "trick-or-treaters" are making their rounds.

Any excavation should be covered, and a safety check made to eliminate any potential hazards in the vicinity of homes. Motorists, watch for kids that may dart across the road in the middle of the block or be walking on the wrong side of the road. Some of them may have on dark costumes and be hard to see. Take extra care on Halloween.

Parents, take care when your child goes trick or treating on Halloween that he or she

can be seen by a motorist. Have children carry a flashlight or use reflectorized tape or paint to help decorate their costume in order to give them a "ghostly glow" in the headlights of the motorist. Instruct them to cross only at intersections, and obey traffic signs, but, most importantly, to watch for vehicles and not to take chances.

Avoid dressing kids in dark-colored costumes because they are difficult to see at night. Avoid a mask or headgear that obstructs vision. Sharp pointed objects such as spears, pitchforks or swords, can cause an injury sometimes even in play.

Children should be told to eat only the candy they receive from known friends and neighbors, and to bring the other treats back home so that parents can check them. Make this Halloween as safe as you can.

Sunrise service to be held Sunday as show of concern for hostages in Iran

"The fact that so many people cared about them and about us has made it all bearable," said Mrs. Richard H. Morefield, wife of the captive U.S. counsel general in Teheran, in an interview.

People in the local community will have an opportunity to show how much they care at a sunrise service scheduled on Sunday at 7 a.m. at the Burroughs High School football field. The service has been organized as an expression of the feelings of solidarity and empathy with the hostages in Iran and their families on the part of residents of the Indian Wells Valley.

Everyone is invited to attend this interdenominational service of music and prayer based on the theme "Let My People Go," a theme to be expressed by the raised voices of the Union Baptist Church choir as they sing this selection and "The Battle Hymn of the Republic" under the direction of Carol Celestine.

Solosts Sandra Rainey and Every Jo McClendon will add their voices to sing "America the Beautiful," "This Is My Country" and the "Lord's Prayer," with additional music by the Burroughs High School band under the direction of Don Wilkinson. Rev. Glenn Walker, pastor of the Inyokern Methodist Church, will play a trumpet "Salute to the Colors" as the flag is presented by a color guard.

Also participating in the ceremony will be Don Padgett, president of the Ridgecrest Chamber of Commerce; Rose Varga, president of the IWW Jewish Women's Club; Fred Farris, chairman of the program committee; and other local residents.

Debbie Plotkin, wife of one of the hostages, has been invited to attend the service to represent all the hostage

families. If the hostages are freed prior to the time of the service, it will become a joyful ceremony of Thanksgiving for their safe return.

Co-chairmen of the organizing committee for the service are Pat Farris, publisher of the Inyokern News-Review; Ed King, managing editor of the Daily Independent; and Bill Wright. Honorary chairman is Dr. Frank Cartwright, and program coordinator is Rosemary High.

Solar ponding . . .

(Continued from Page 1) project to generate commercial amounts of electricity. (Solar ponding for commercial use has been found feasible in Israel in the Negev Desert; Southern California Edison Co. is also developing a 5-megawatt solar ponding demonstration project at the Salton Sea in California.)

NWC and the Navy will benefit directly through any ponding project. Not only will a solar pond control the Owens Valley dust that is becoming an increasing hazard to weapons tests and the health of Navy employees, but also, if the potential is exploited successfully at Owens Lake, the same technology could be applied at other dry lakes in the southwest to provide an additional alternate energy source for Navy operations.





Recreation Roundup

Commander's Cup pistol match won by VX-5 marksmen

A pistol match, the first of three events that will determine the winner in Commander's Cup marksmanship competition, was held last week at the Sierra-Desert Gun Club range.

VX-5 got the jump on both NWC Blue and Gold by posting a team score of 2,879 out of a possible 3,600 points in the pistol marksmanship event. The match was fired at a range of 25 yds. using .22 calibre pistols on what is called a standard match course.

The NWC Blue team placed second with 2,793 points, and NWC Gold came in third with 2,635 points.

High scorer on VX-5's six-man team was Raymond Tapani, whose total of 534 with 6 bullseyes was 5 points more than that of "Crash" Nash, who had 529 and 8 bullseyes.

Other members of VX-5's winning pistol team, and their scores, were Gerald Carter (478), Thomas Ringle (457), Jack Henderson (449), and Bill Wilson (432).

Harold Pheny, who led the NWC Gold team, was the top individual marksman in the pistol match with a score of 557 out of a possible 600, with 8 bullseyes.

The Commander's Cup marksmanship competition was continued this week with a skeet and trap shoot, and will be concluded next week with a rifle match.

CAGERS LOSE TO MARINES

The NWC varsity basketball team, an all-military squad coached by Chief John Smith, of VX-5, took on the Camp Pendleton Marines in a pair of practice basketball games last Friday and Saturday at Camp Pendleton.

The local hoopsters absorbed two losses at the hands of the Marines, but returned home with experience gained from playing a more powerful opponent.

In the first of two games, the China Lakers were drubbed 108-70. High point man for the NWC varsity was Skip McIntosh, who tallied 24 points. Also in the double-figure scoring column for the local team were Millard Bell, who tallied 21, and Basil Robinson, who hit 13.

In the second game, the NWC team improved its scoring ability by tallying 93 points, but came out on the short end of a 102-93 final score.

Once again, McIntosh was the top scorer for NWC—this time with 32 points. Other leading scorers for the locals were Comezell Gibbs (18), Bell (15), and Derek Graves (10).

2ND PLACE MEDALS WON

Second place silver medals were won last weekend by two Centerites for their participation in the Mojave Desert Inter-Service (MDISL) lifetime sports competition held at George Air Force Base near Victorville.

Medal winners were Bill Chan, an electronics engineer in the Sensor Systems Division of the Fuze and Sensors Department; and Dave Rugg, the data configuration manager on the AIM-9M guidance control section in the Engineering Department's Technical Data Division.

Chan was runner-up in the table tennis competition, while Rugg placed second in the senior division (40 years of age and over) 10 kilometer run.

The Naval Weapons Center was also represented at this MDISL event by Ens. Ken Dorrell, who competed in table tennis and the 10 km. run, and by AMHAN Paul Ulbricht, who vied in pocket billiards.

Youth gridders win 4 games from Boron teams

Three wins and a loss were logged by local teams last Saturday at the Burroughs High School athletic field in Tri Valley Youth Football League games played between Indian Wells Valley squads and their counterparts from Boron.

The IWV Chargers (Freshman Division), the IWV Dolphins (Sophomore Division), and the IWV Bears (Junior Division) stormed to victories by lopsided scores of 32-0, 30-0, and 38-0, respectively. In a Senior Division tilt between the IWV Giants and the Sun Devils from Boron, the visitors posted a 20-0 victory.

The Freshman Division game between the IWV Chargers and their opponents from Boron was a scoreless tie throughout the first half, but the Chargers lived up to their name in the final two periods of play by shutting out Boron while scoring five touchdowns themselves.

TOUCHDOWN PARADE BEGINS

Keith Carey opened the touchdown parade with a 14-yd. run in the third quarter that gave the Chargers a 6-0 lead. Before the period was over, Shawn Ruth raced 35 yds. for another TD, and 2 points after the touchdown were added by Chris Armstrong.

Starting off the fourth quarter with a 14-0 edge, the Chargers cleared the way for a 15-yd. touchdown run by Armstrong, tallied on a 12-yd. pass from Troy Mather to Robbie Haff, and finished up the day's action with a 40-yd. touchdown jaunt by Steve Haleman that made the score 32-0 in favor of the local team.

The IWV Dolphins improved their league record to 4 wins and 1 loss last Saturday at the expense of the Boron Sun Blazers.

The Dolphins got on the scoreboard via a 3-yd. run by Dale Adams in the first quarter, but that turned out to be the only score in the first half of the ball game.

The Dolphins dominated the game in the third quarter, when they tallied three more touchdowns to clinch the win.

Maurice McDowell and Dennis Adams scored one touchdown each on runs of 7 and 45 yds., respectively, and Dale Adams picked up his second tally of the contest on a 6 yd. run. After each score in the third period, the Dolphins tacked on 2 points on runs by Dale Adams (twice) and Dennis Adams (once).

A fumble recovery by Bobby Sonnenberg that resulted in a safety for the Bears got



LONG GAINER — Dale Adams, halfback for the IWV Dolphins, lost little momentum on this open field hit by a defensive back for the Boron Sun Blazers, and continued on his way for a sizable gain. Adams was the top ballcarrier for the Dolphins in their 30-0 win over the Sun Blazers and also scored two touchdowns. Other players for the Dolphins seen moving into position to provide an escort touchdown for Adams are Shawn Smith (23) and Bubba Sperry.

this Junior Division team off and running in its 38-0 rout of the visitors from Boron.

Ray Haleman, halfback for the Bears, then had a hand in two first half touchdowns — one tallied on a 40-yd. run, and the other on a short pass from Haleman to Darius Hall after Haleman took a lateral pass from Ian Patin, quarterback. Two points were tacked on after the second touchdown on a pass from Sonnenberg to Scott Schroeder to give the Bears a 16-0 at the halfway point in the game.

The Bears piled up three more touchdowns in the final two periods of play. Allen Celestine scored the first one on a 15-yd. pass from Sonnenberg and, still in the third quarter, John Pepper ran 14 yds. to paydirt. This second tally was followed by a 2-point conversion on a run by Eric Carlo.

The Bears' 30-0 lead was extended by a

final touchdown and 2-point conversion in the fourth quarter. The TD was tallied on a 40-yd. run by Carlo. Eddie Barnard's 2-yd. spurt into the end zone for 2 more points after the touchdown, made the final score 38-0 in favor of the IWV Bears.

The Senior Division Giants gave up one touchdown each in the first, second and final periods of play, and allowed the Boron Sun Devils to tack on 2 points after their second quarter tally to win by a final margin of 20-0.

In another Tri Valley Youth Football League game — this one played at Kelly Field on the Murray Junior High School campus — the Indian Wells Valley Raiders defeated Kern Valley 30-2.

The 2-point safety, which came in the second period, was the first score given up by the Raiders so far this season.

Burros host non-league foe in grid tilt tonight

A respite from Golden League play, in which they have won one and lost three games so far this season, is coming up tonight for the Burroughs High School varsity football team.

The Burros will host Jordan High School from Los Angeles. A preliminary game between the sophomore teams from the two schools is scheduled to get underway at 5 p.m., with the varsity clash to follow at 8 o'clock.

Offense dominated last Friday night's tilt between Burroughs and the league-leading Quartz Hill Rebels in a game played at Quartz Hill that was won, 35-21, by the Rebels.

Before a Homecoming crowd at Quartz Hill, the Rebels scored in three plays the first time they got their hands on the ball. Starting from their own 15 yd. line (following a punt by Burroughs) halfback Jeff Stanboro gained 13 yards, Steve Stokes picked up 2 more, and Joe Bohman, quarterback for the Rebels, swept around end and down the sideline 70 yds. to paydirt. The PAT on a kick by Doug Crew was good and Quartz Hill had a 7-0 lead with a little more than half of the first quarter still left to play.

Not at all impressed by the Rebels' display of scoring ability, the Burros quickly evened things up by going 60 yds. in six plays for a touchdown of their own.

A kickoff return to their own 40 yd. line got the BHS varsity in good field position to launch their drive. Key plays leading up to the score were a pass from Billy Brown, quarterback, to Billy Richardson that

gained 16 yds. and a first down at the Rebels 42; a 16-yd. romp by Albert Pinchem that moved the ball to the QH 28; and a pass from Brown to Gary Thatcher, an end, who was hauled down on the 4 yd. line of the Rebels. Pinchem then powered over from the 1-yd. line, and Jon Wheeler booted the PAT to knot the count at 7-7.

There was nearly 3 min. left to play in the first quarter when Quartz Hill took the ensuing kickoff and started to move the ball again. The first period ended with the score tied at 7-7, but the Rebels were on the march. Sparked by a 21-yd. gain to midfield by Steve Stokes, who also gained 19 yds. and a first down a short time later at the BHS 18 yd. line, the Rebels once again had the ball in scoring position.

The tally came on a quarterback keeper by Bohman, who scored from 6 yds. out. The PAT was added by Crew — giving Quartz Hill a 14-7 lead.

The first half fireworks weren't over yet, however, for the Burros stormed back 85 yds. in 11 plays for their second touchdown of the night.

A pass from Brown to Curtis Edmonson that was good for a first down at the BHS 35 was the first key play in this scoring drive. Others were a sweep by Pinchem, who rambled 18 yds. to the QH 47, and a run by Brown to the Rebels' 33.

The Burros were nearly sidetracked by a pass interception, but pass interference was ruled on the play and possession of the ball was retained by BHS at the Quartz Hill 15. Another penalty cost the Rebels 5 yds., and Brown gained 8 yds. to the 2 before fighting his way into the end zone on a fourth down

play. This time Wheeler's try for the PAT was blocked, and it was a 14-13 ball game with the Rebels on top.

With time running out in the first half, Quartz Hill got a break in the form of a punt that rolled dead at the BHS 3 yd. line. Three pops at the line gave the Burros a little breathing space out to their own 11, but a problem the Burros have been having this season with snapping the ball back to the punter on fourth down popped up again.

Brown, the kicker, fielded the bouncing ball. Unable to get off a kick, he tried a pass that officials ruled an intentional grounding of the ball.

The ball went over to Quartz Hill at the BHS 1 yd. line, and the Rebels took advantage of that turn of events to score a touchdown on a run by Jeff Stanboro. The host team then added insult to injury with a 2-point play after the tally to go into the lockerroom at the halftime intermission with a 22-13 lead.

In the third quarter, the Rebels fattened their lead by tallying two more touchdowns, while holding the Burros scoreless. The opportunistic QH varsity recovered a BHS fumble at the Burros 44 yd. line and, two plays later, Bohman passed to Jimmy Ellis, an end, for a touchdown on a play that gained 32 yds. The try for the PAT failed making the score 28-13 in favor of Quartz Hill.

Also in the third period, a pass interception by the Rebels provided the impetus for the final tally of the game by

(Continued on Page 7)

Technical Director Award . . .

(Continued from Page 1)

materials, obtained Naval Air Systems Command sponsorship, and established a follow-on program to see the weapons through to release to Fleet use.

Weathersbee was commended for providing propulsion design, program planning, coordinating personnel and tasks, and seeing to it that the demonstration program was conducted in a minimal amount of time. He also gave his attention to a multitude of details to insure that the safety of operations was in accordance with good practices and that the product quality was held at a high level.

Weidenkopf was cited for his timely creation of flight control logic and development of simulation for predicting missile performance.

Presentation of the Technical Director's Award to Sellers was based on his leadership in coordinating the electronic package and fabrication of printed circuit boards. Sellers also was involved in roll gyro/telemetry integration, and integration of a gravity-bias (G-bias) package into an existing laser-guided bomb kit. In addition, he directed and checked out assembly of the weapon seeker, and was hailed for achieving an electronics package design that may be retrofitted into large stocks of existing laser-guided bombs.

The Skipper program demonstrated the feasibility of a standoff laser-guided bomb that can be launched from aircraft flying at

a very low altitude, thus substantially improving the survivability of the aircraft and its crew when attacking a defended target.

Skipper makes use of a Mk 83 laser-guided bomb (LGB) that has been in the Fleet inventory for more than a decade. A Mk 78 Shrike motor is mated to the Mk 83 LGB to propel it to its target.

Added to this existing hardware were an electronic roll and gyro package for guidance that provides a gravity bias (G-bias) flight capability.

The concept and program for Skipper were conceived last March; flight testing was initiated in early September when two of the weapons incorporating the G-bias packed were tested. The final rocket-powered version was tested in early October.

Police reports . . .

Harry Reeves, resident officer of the Naval Investigative Service is currently checking into the disappearance and possible theft of an oscilloscope.

This item, valued at \$1,400, is missing from the Range Support Branch (Code 6234) video center. When Range Department employees' own efforts to locate the missing piece of equipment failed, China Lake police were notified last week, and the matter ultimately ended up in the hands of Reeves, who is following up on the investigation that has been started.

OLD TID BLDG. BURGLARIZED

A burglary at the old Technical Information Department building, located near the intersection of Blandly Ave. and Knox Rd., is being investigated by China Lake police after it was discovered on Monday that a composing machine valued at \$750 is missing.

The burglary occurred sometime between Oct. 22 and Oct. 27. There was evidence of forced entry into the vacant building.

FLUTE STOLEN

Murray Junior High School officials called China Lake police on Monday evening to report the theft of a musical instrument (a flute valued at \$200) from the band room at the school.

VANDALS DAMAGE HOME

Vandals struck last week—causing damage by ripping out the bottom portion of two window screens from an Old Duplex housing unit. The incident occurred at a time when the occupants were in the process of moving from the residence where the damage occurred to other quarters in the Capehart housing area. Damage was estimated at \$75.

Sailors of Month selected by AIRTEVRON FIVE

Air Test and Evaluation Squadron Five has announced its selection of Sailor of the Month for the months of August and September.

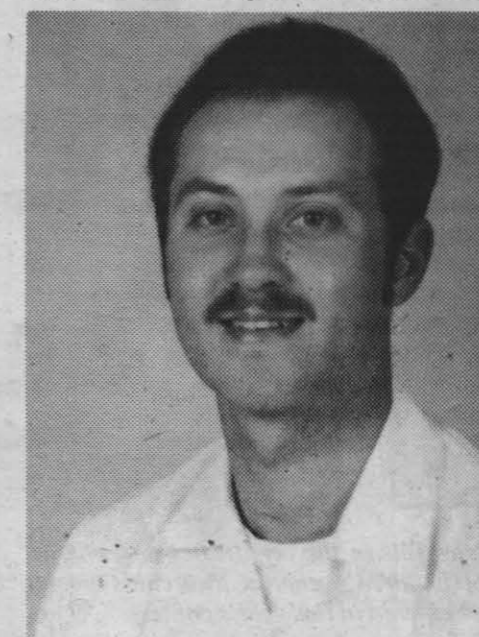
Selected to be Sailor of the Month for August is Aircrew Survival Equipmentman Third Class Mark A. Lehman; Sailor for the Month of September is Aviator Ordnanceman Third Class Darryl K. Curry.

In the letter of commendation signed by Capt. P. D. Stephenson, Commanding Officer of VX-5, PR3 Lehman was commended for his continued striving for professional knowledge, high degree of personal initiative, and resourcefulness that have enabled him to complete any assigned task in a most exemplary manner.

Also commended was his willingness to work extra hours when needed to contribute to the success of the Aviators' Equipment Work Center and to the accomplishment of the Command's mission.

PR3 Lehman has been in the Navy for 3½ years, and has been with VX-5 since August 1977. His responsibilities include taking care of the flight gear for 30 aviators, ensuring that it is inspected regularly and that the survival gear is in peak condition, a task in which he takes pride as well as enjoying the work.

He enlisted in the Navy on completing high school in his native Buffalo, N.Y.; after the mounds of snow he experienced there (especially during the great blizzard), the assignment to China Lake in California sounded very good to him. "Especially," he said, "because I expected to find a lake



PR3 Mark A. Lehman

here. I was planning on getting a boat that I could sail every day when I got off duty."

Despite his shock at finding that China Lake did not lend itself to sailing, PR3 Lehman has enjoyed his stay in the desert. He and his wife Koni, whom he met and married since he's been on board, like to camp and fish. Mt. Whitney is a favorite spot for weekend camp-outs for them.

Also listed as a hobby by PR3 Lehman is sports, especially softball and basketball. Currently he is part of the military softball team known as the Outlaws.

A03 Curry, the September Sailor of the Month, was commended in the letter by Capt. Stephenson, for his knowledge and understanding of the weapons systems on the A-4, A-6, A-7, and AH-1J aircraft. He also has become current on many of the Navy's newest weapons such as the air-retard bomb, the Harpoon missile, and the extended range laser guided bomb.

Capt. Stephenson praised A03 Curry's energetic performance, attention to detail and "can-do" spirit during his assignment to the Armament Branch of the Avionic/Armament Division.

A03 Curry was transferred from VX-5 shortly after being selected as Sailor of the Month.



HONORED BY BPW CLUB — Singled out for recognition as the "Man and Woman of the Year" for 1980 by the Kern Desert Business and Professional Women's Club were Capt. William B. Haff, NWC Commander, and Florence Green, a former member and the first woman to serve on the Ridgecrest City Council. Capt. Haff and Ms. Green were honored at the BPW Club's annual Gold Plate Dinner, which was held on Thursday night of last week at The Hideaway in Ridgecrest. —Photo by PH2 Tony Garcia

Haff, Green chosen as Man/Woman of Year

Capt. William B. Haff, NWC Commander, was honored on Thursday night of last week by the Kern Desert Business and Professional Women's Club during the group's annual Gold Plate Dinner at which he received the BPW's "Man of the Year" award.

Capt. Haff received an engraved plaque that was presented by Judy Zurn, chairman of the BPW Gold Plate Dinner Awards Committee, who also read excerpts from letters of appreciation addressed to the NWC Commander by William M. Thomas, 18th Congressional District Representative; Harold Hockett, Mayor of the City of Ridgecrest; by the Sierra Sands Unified School District, and by officials of the Desert District, Boy Scouts of America.

In addition, Gene Tackett, Kern County Supervisor from the 1st District, attended the gala affair to present a Kern County plaque and pin to the NWC Commander.

In his letter to Capt. Haff, Congressman Thomas wrote (in part): "Your outstanding service to the community of Indian Wells Valley is the basis for this well-deserved honor. You are personally responsible for the opening of new lines of communication between the Naval Weapons Center and the City of Ridgecrest.

"The good relations fostered between the Navy and the civilian community is an accomplishment of which you can be very proud."

The letter of congratulations to the NWC Commander from Mayor Hockett touched on this same theme as, on behalf of the City of Ridgecrest, he expressed his appreciation to Capt. Haff for the support and cooperation shown by NWC to the city. "Since your assumption of command of the Center, the relationships between the Navy and the City of Ridgecrest have hit an all-time high and continue at an excellent level of cooperation," Hockett wrote.

Mentioned in the Mayor of Ridgecrest were instances of the kind of cooperation given the city by NWC — particularly in the areas of planning for the future and in solving common problems.

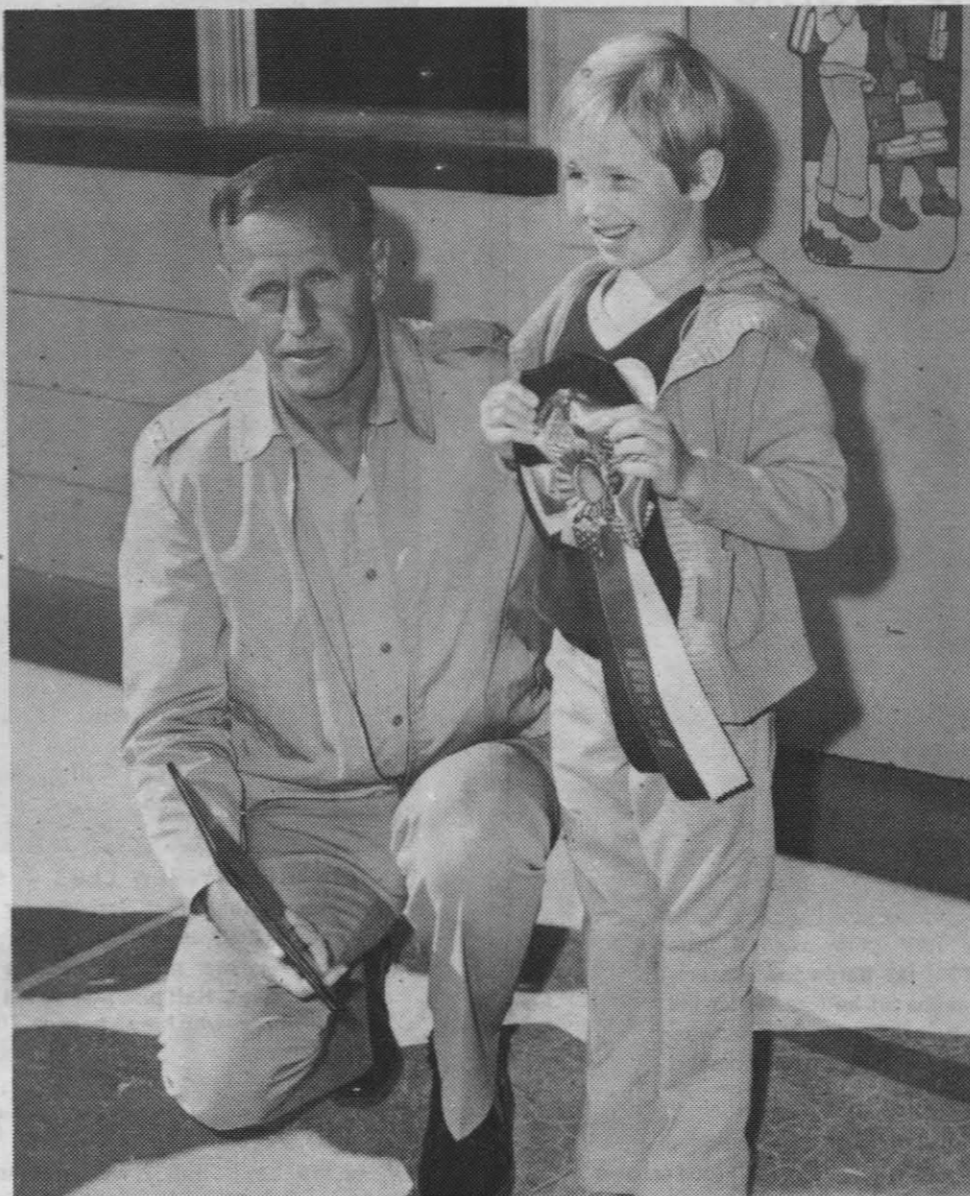
During her introduction of Capt. Haff, Mrs. Zurn called attention to the mutual benefits that have resulted from the NWC Commander's interest in and support of the Indian Wells Valley Inter-Governmental Coordinating Committee—a group that includes representatives of the City of Ridgecrest, the Kern County Board of Supervisors, and Cerro Coso Community College.



TRUE FOOT-POWER — Barbara De Vries of the Center's Energy Office gets into the swing of Foot-Power Day as she roller skates through the main gate. Supervisor Jamie Van Sant of Washington Patrol waits to check her NWC pass.



HAMMERING IN THE MESSAGE — Mike Hall of the Center's Energy Program Office pounds the final stake on a sign set up as a reminder to conserve energy.



WINNER — Robbie Stark, a first grade student at Las Flores School, won the grand prize in this year's Energy Awareness Week poster contest. Capt. Will Half, NWC Commander, presented him with a red, white, and blue ribbon, a certificate, an NWC plaque, and an energy button. Robbie will also ride in a Navy vehicle in this year's Christmas parade.

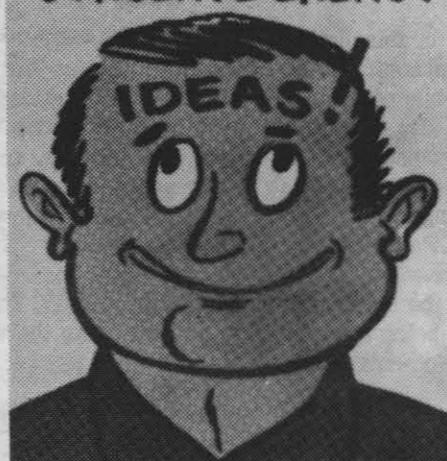


LETTING LIGHT IN — During the recent Energy Awareness walk-through, Richard Smith, a visual information specialist in Code 388, called attention to windows in one room of Michelson Laboratory that had been covered with opaque paint for an optical experiment years ago. By scraping the paint from these windows, the amount of electric light needed in the room could be markedly reduced. Natural light now shines in that room.



CHECKING IT OUT — Staff of the Energy Program Office (l. to r.) Garyl Smith, Rick Roberts and Dick Walters examine some of the 24 batteries that power the Batronic electric pickup truck that has been on display all week.

THINK OF WAYS TO CONSERVE ENERGY



TURN IN YOUR IDEAS

Photos by
PH2 Tony Garcia,
PHAN Shelly
Gambardello

Energy Awareness Week

Protect tomorrow by saving energy today

Energy Awareness Week Activity Days this week emphasized some of the methods being used by the Naval Weapons Center on its way to achieve a goal of energy independence.

Underlying the fun approach of activities such as Foot-Power Day is the serious need for conservation of scarce resources. Concerted efforts of all Center personnel, led by the Department Energy Conservation Council and the Energy Steering Committee, have resulted in a dramatic statistic: overall energy use in terms of MBTU's per square foot during fiscal year 1980 was down 25.2 percent from the amount consumed in the base year, fiscal year 1975.

All Navy facilities have been directed to cut their energy use 20 percent in the decade 1975 through 1985; NWC has surpassed that goal in half the time. (NWC received the Secretary of the Navy Energy Conservation Award for its conservation efforts in fiscal year 1980; it also received the Naval Material Command Award, and the Los Angeles Regional Federal Executive Board Award for conservation.)

"Only the concerted efforts and the ingenuity of everyone on board have enabled us to achieve this result," says Garyl Smith, head of the Center's Energy Program Office.

Conservation is the cheapest form of alternative energy and one that calls for no exotic technology or major technical breakthroughs, but for everyone's care and concern and thoughtfulness, notes Capt. Jon R. Ives, Public Works Officer. "Each bit of planning for a more energy-effective way of meeting Center mission objectives, each small saving—as small as turning off one unnecessary light bulb — has been essential in helping attain that unequalled success in cutting energy consumption," he also said. "And I'm sure that we can cut still more if we try on our way towards reaching our goal of energy independence by the 1990s."

NWC personnel first began studying the possibility of achieving Center energy independence following the 1973 energy crisis; a plan has been evolving since that combines conservation and the use of alternative energy methods.

The Center is currently the Navy lead laboratory for three alternative energy programs; geothermal, photovoltaic and electric and hybrid vehicle programs.

A contract has been signed with California Energy Company, Inc., of Santa Rosa, Calif., to exploit the Center's geothermal potential. Developed fully, it should provide not just enough electricity for NWC operations, but also for other West Coast Navy facilities.

Photovoltaic arrays are emplaced on the Center to power remote sites ranging from Echo Range to Joshua Ridge. A photovoltaic array also

powers the earthquake research activity. Skills and knowledge gained here can translate into practical applications of photovoltaic technology throughout the Navy.

The first of the Navy's electric vehicles have been on display all week at the corner of Knox Road and Blandy Avenue. (Today Grannie Frannie is driving the Batronic pickup as part of Recycling Day activities. She'll pick up bagged recyclables such as crushed aluminum cans, newspapers and bottles, and transport them to the recycling center. Money for the cans she collects will be donated to the Combined Federal Campaign.) A fleet of more than 300 electric vehicles will be deployed through the Navy by the end of FY 1982 in order to reduce dependence on fossil fuels.

NWC energy awareness has been spark-plugged by the Department Energy Conservation Council whose members are in day-to-day touch with personnel throughout the Center. Suggestions made by various NWC personnel have resulted in major savings. Marvin Hunter and Warren Ellingson, two Public Works Department technicians, for instance, were able to demonstrate that the Michelson Laboratory heating and cooling systems could be made more efficient. Their work resulted in their splitting a \$935 award representing a \$46,600 annual saving to the Navy.

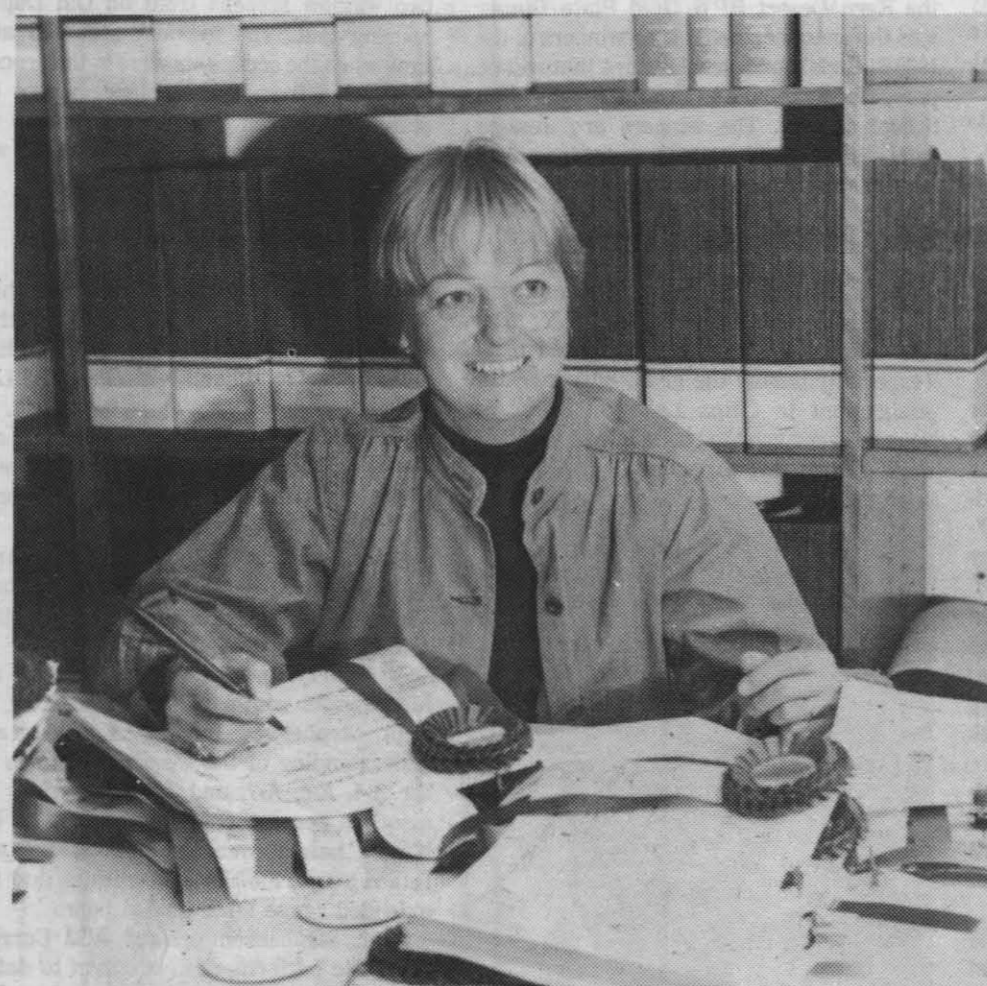
All suggestions and ideas have been and will continue to be welcomed by both the Energy Program Office and the Department Energy Conservation Council to continue to trim any remaining fat from NWC energy usage.

As part of Energy Awareness Week activities, Barbara DeVries of the Energy Program Office again visited local schools and made presentations to the children about ways of conserving energy. A local poster contest last year resulted in three local children receiving national awards for their age groups for their winning posters, and six additional local children receiving either honorable or special mention awards.

This year's poster contest resulted in a flood of 1,302 posters; the winners will again have their posters forwarded to Washington, D.C., as part of a Navy-wide competition.

Judging of the entries in the poster contest produced a surprising result. A first grade student, Robbie Stark, 7, at Las Flores School became the grand prize winner for his poster.

Judged best in the Indian Wells Valley at other grade levels were second grade, Dawn Fussner, 7, Pierce School; third grade, Frances Greennum, 8, Vieweg School; fourth grade, Marissa Estrada, 9, Vieweg School; fifth grade, P. J. Walsh, 11, St. Ann's School; sixth grade, Dan Siler, 12, Vieweg School; seventh grade, Chris Walsh, 12, St. Ann's School; and Special Day Class, Shelia Guth, 11, Richmond School.



REWARD TIME — Barbara De Vries fills in the certificates and readies ribbons for winners in the school children's energy awareness poster contest. More than 1,300 posters were entered in this year's contest.



REPAYMENT — The staff of the Children's Center (Wendy Barrett, Debbie Baker, Deb Bergstrom and Dottie Miller) take their supervisor, Polly Ferraro, to lunch in a little red wagon from the playground to repay her for the energy that she saved by walking 3 miles to work on Tuesday morning. The tricycle brigade proceeded from the Children's Center at Lauritsen and Nimitz Ave. to the Enlisted Mess—and provided a reminder to all passing personnel that this was Energy Awareness Week.



ON A BICYCLE BUILT FOR TWO — Hector and Mena Leon ride their four-foot-power vehicle through the main gate, as guard Judy McFadden waves them on. The Leons peddled to work from their home near Downs and Las Flores in Ridgecrest.