



HOLIDAY EVENT — Dan Lukens, a volunteer with the NWC Employee Assistance Program, presents Capt. L. P. Aldana, NWC Vice Commander, a ticket to the third annual Alternatives Happy Hour Party for adults. The party will be held in the Community Center on Thursday, Dec. 13, from 4:45 to 6 p.m., and will feature unusual non-alcoholic beverages, entertainment, music, and games. Tickets, which are \$2.50 each to cover the cost of refreshments, may be purchased in advance from EAP volunteers or at the door. Those planning to attend are asked to call Carol Corlett at NWC ext. 2574 by the end of the working day next Friday, Dec. 7.

— Photo by Ron Allen

All hands Christmas party slated on Dec. 8 at Community Center

With the Thanksgiving holiday weekend just past, all Centerites are invited to get in the swing of the coming Christmas season by attending an all hands party that will be held on Saturday, Dec. 8, at the Community Center.

Sonora del Mar, the 11th Naval District's dance band, has been booked for this gala affair, and will play for the listening and dancing pleasure of party-goers from 9 p.m. to 1 a.m.

Dinner will be served from 7:30 to 9 p.m. The menu will feature prime rib of beef or boneless breast of chicken as the main entrees. Tickets are priced at \$9 per person for prime rib and \$6 each for chicken dinners. All active duty military personnel permanently attached to NWC will receive a \$2 discount on each ticket purchased.

The \$2 discount for military personnel also will be applied on tickets bought by members of attached activities that have agreed to use a portion of their unit's allocation of recreation funds for the Christmas party.

Numerous prizes will be given away during the evening, including the top award of a two-night stay at the Furnace Creek Inn in Death Valley. Other prizes are a dinner at Clancey's Claim Co. in Ridgecrest, two large-size turkeys, and gifts or gift certificates redeemable for merchandise at the Christmas party.

BHS Fantasy Theatre to present 'The Hobbit'

Burroughs High School's Fantasy Theatre, produced by Alan Kubik and directed by Brett Battles, will present a musical adaptation of J. R. R. Tolkien's celebrated classic, "The Hobbit," at 7:30 tonight and tomorrow, and again at 7:30 p.m. on Friday and Saturday, Dec. 7 and 8, in the high school lecture center.

In addition, there will be a special matinee at 2 p.m. tomorrow only.

Tickets are priced at \$1 for children 12 years old and under, and \$1.50 for all others. Tickets can be purchased in advance from members of the cast and crew, or at The Studio in Ridgecrest. They also will be on sale at the lecture center box office before each performance.

"The Hobbit" is the story of Bilbo Baggins (played by Kim Lorang), who goes unwillingly on a quest for treasure in the company of 13 dwarfs and a wizard named Gandalf (played by Steve Parade).

Christmas party for kids planned at EM on Dec. 16

All children of Naval Weapons Center personnel, regardless of age, are invited to attend the annual Children's Christmas Party on Sunday, Dec. 16, starting at 1 p.m.

The party will be held in the Enlisted Mess (Open), and the EMO lounge will be open from 12 to 5 p.m. for parents to spend a restful time while their children attend this festive event.

The festivities will begin with a demonstration by the Sidewinder Drill Team in the parking lot. As children enter the EMO, they may participate in the Christmas decorating contest by adding a homemade ornament to the Christmas tree. (Ornaments should be made at home, and should be labeled with the child's name before being brought.)

Highlights of the party include a holiday movie shown on the big screen TV, caroling, and a magic show.

Santa Claus, Mrs. Claus, and the elves will give gifts to each child attending the party, and will serve as judges for the best tree decoration.

Parents whose children plan to attend the party are asked to telephone YNSN Paul Mackey at NWC ext. 2165 or 2166 by Friday, Dec. 7, to ensure that an adequate number of gifts are on hand.

'Hail, farewell' fete for military officers planned on Dec. 6

Navy Exchange.

Lt. Denny Wilcox, head of the Aircraft Branch in the Aircraft Department's Aircraft Support Division (Code 6122) is in charge of ticket sales, and can be contacted by calling NWC Ext. 5324 or 5538 for tickets or information.

Tickets to the all-hands Christmas party also can be obtained from the following: MSC F. G. Barnum, at the BEQ; Lt. J. C. Messinger, Food Service Officer; YNSN Paul Mackey, in the Navy Personnel Office; and SH1 David Swanson, at the Commissary Store.

Others who have tickets at Armitage Airfield are: AZAN Marie Kitchings, in the Maintenance Material Control Branch; AZ3 Steve Nixon, in Maintenance Administration; ABHC John Price, in the Aircraft Support Division; and ADCS Jackie Fielder, at the Cold Line.



WHEELING AND DEALING — Cooking up a shady deal in this rehearsal scene from the China Lake Players production of "Born Yesterday" are Ralph Schwarzbach (seated in center), who plays the role of a corrupt U.S. Senator, and Harry Brock, an uncouth junkman portrayed by Fred Stahlman (at right). Listening in on the conversation are the Senator's wife (a part filled by Judy Vuono), and Bill Altieri (standing), who, in the role of a has-been lawyer, counsels Brock on his illegal junk deals. "Born Yesterday," a well-known comedy written by Garson Kanin, opened last night at the China Lake Players Hut, 405-B McIntire St., and repeat performances are scheduled tonight and tomorrow night, as well as on Dec. 6, 7 and 8. Curtain time is 8:15 each night.

MOVIES

ALL AGES ADMITTED
General Audiences
PARENTAL GUIDANCE SUGGESTED
Some Material May Be Inappropriate
Under 17 requires accompanying Parent or Adult Guardian

Regular starting time—7 p.m.

FRIDAY NOV. 30
"MIDNIGHT EXPRESS"
Starring
Brad Davis and Bo Hopkins
(Drama, rated R, 121 min.)

SAT., SUN. DEC. 1, 2
"BED KNOBS AND BROOMSTICKS"
Starring
Angela Lansbury and Roddy McDowell
(Fantasy, rated G, 99 min.)

MONDAY DEC. 3
"GREASE"
Starring
John Travolta and Olivia Newton John
(Musical drama, rated PG, 111 min.)

WEDNESDAY DEC. 5
"THE GREAT BANK HOAX"
Starring
Ned Beatty and Richard Basehart
(Comedy, rated PG, 95 min.)

Holiday celebrations theme of WACOM meeting on Dec. 11

"Holiday Celebrations Around the World" will be the theme of the December meeting of the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) that is to be held on Tuesday, Dec. 11, at the COM.

A social hour at 11 will precede a lunch of international fare at 11:45. The lunch menu includes such delicacies as Middle Eastern chicken, pilaf, sweet-sour red cabbage, Mexican Christmas salad, saffron rolls, and a variety of cookies for dessert.

Pianist Shirley Helmick will play Christmas music during the lunch, and the tables will have decorations from many lands.

A presentation of how Christmas is celebrated throughout the world will follow the meal. Also presented will be a description of a Japanese New Year's celebration, and a traditional Hanukkah.

WACOM members will be called for reservations, but any who have not been called by Friday, Dec. 7, and who wish to attend should telephone either Dayle Ann Huckins, 375-7655, or Ruth Rudeen, 375-4754, that day. Anyone who is not a member of WACOM but would like to join that day may also telephone for reservations.

All Centerites wishing to stay for dinner are reminded to make reservations by calling the COM (446-2549).

Popular music gp. booked on weekend at CPO Club

"The Sounds of Country," a popular country-rock group from the Los Angeles area, will be appearing at the Chief Petty Officers' Club tonight and tomorrow night from 9 to 1 a.m.

Dinner will be served from 6 to 9 o'clock this evening, and from 6 until 8:30 p.m. on Saturday.

COM to be decorated

The Women's Auxiliary of the Commissioned Officers' Mess needs volunteers tomorrow to help decorate the COM for the holidays. Willingness to help is as important as any artistic skill. Decorating efforts will begin at 9:30 a.m.

Free refreshments will be served.

U.S. Government Printing Office
No. 1979—No. 1004

From: _____

PLACE STAMP HERE

To: _____

NEX gas station to adopt odd, even sales plan

The Navy Exchange service station will join with service stations in other parts of California in enforcing odd-even gasoline sales beginning Monday. The same general regulations used elsewhere will apply in determining odd-even gasoline sales.

If a license plate ends with an odd-numbered digit, the driver of the car can purchase gasoline on odd-numbered days. For instance, the driver of a car with license 423 SAM will be able to buy gasoline on Monday, Dec. 3, but one with license 324 SAM would need to wait until Tuesday, Dec. 4, before filling the tank.

Personalized license plates are considered to be odd-numbered. Drivers with personalized plates may buy gas on odd-numbered days of the month. New cars whose license plates have not yet arrived are considered to be even-numbered.

On the 31st day of any month, odd-even restrictions do not apply.

Motorcycles Exempted

Motorcycles are exempted from odd-even restrictions. Boats on trailers will be subject to the license plate on the boat trailer to determine on what day gasoline may be sold for use in the boat.

No gasoline may be sold for a car whose tank is more than half full. When asked by a service station attendant, the patron must allow a fuel gage inspection.

When a service station has gasoline, a green flag will be flown; a red flag indicates that no gasoline is available.

Special rules applying to military reservations that do not apply at off-center stations include a ruling that out-of-state licenses are included in odd-even regulations. Exceptions to this cover transient personnel who can show permanent change of station, temporary additional duty or leave orders to prove that they are in transit.

The limit of 15 gallons per customer that has been in effect at the Navy Exchange service station has been raised to 20 gallons. The experiment (tried earlier) of raising the limit from 10 gallons to 15 gallons resulted in an increase of 22 percent in sales. If the odd-even requirements do not (Continued on Page 3)

Task force studies Owens Dry Lake dust problem

If the Owens Dry Lake Task Force has its way, the clouds of white dust that periodically waft their way through the Indian Wells Valley and valleys to the north and south will be a thing of the past.

This task force, which totals some 15 members headed by Mrs. Cathy Gross, of Lone Pine, has been formed to study the Owens Dry Lake bed to determine the extent of dust problems, where the dust comes from on the lake bed, and what can be done to settle the dust.

Members of the task force represent the Inyo County Board of Supervisors, the Great Basin Unified Air Pollution Control District, Los Angeles Department of Water and Power, State Lands Commission, the Naval Weapons Center, companies leasing mineral rights on the lake bottom, and interested citizens.

Study Coordinator

Dr. Pierre St.-Amand, head of the Earth and Planetary Sciences Division of the Research Department, will coordinate the study, which is expected to take about six months. Other NWC personnel who will be heavily involved include Dr. Larry Mathews and Glen Roquemore, both from the Earth and Planetary Sciences Division, and Tom Dodson, NWC Environmental Protection Officer, from the Public Works Department.

The lake bed will first be mapped in detail and the surface of the dry lake will be studied. Mapping will include both that done at the surface and aerial mapping done from a NOAA weather satellite.

When surface characteristics of the lake and sources of dust have been adequately



Naval Weapons Center
China Lake
California

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Importance of AICUZ as vital planning tool to protect NWC's operational capabilities aired

A detailed explanation of the Naval Weapons Center's Air Installation Compatible Use Zone (AICUZ) Program, and the reasons why it is vital as a planning tool to protect the long term operational capability of Armitage Airfield and the southerly approaches to the Center's principal test range areas, was provided during a public meeting held Monday night at the Burroughs High School lecture center.

During the first half of the 3-hour session, experts on various aspects of range operations and the AICUZ Program itself were heard from, following introductory remarks by Capt. Jon Ives, Public Works Officer, who served as moderator of the meeting, and by Capt. William B. Haff, NWC Commander.

Serves as Planning Guide

This AICUZ study, it was noted by Capt. Ives, is designed to serve as an input to municipal and county planning and zoning agencies in formulating their long-range plans for future community development and growth in areas adjacent to NWC.

The AICUZ Program is not unique to the Center. It is a Navy-wide program that has been applied to other Navy air installations, Capt. Ives explained. The Air Force has a similar program.

On stage with Capt. Haff and Capt. Ives to add their special knowledge of the matters that were discussed were W. R. Hattabaugh, head of NWC's Test and Evaluation Directorate; Tom Dodson, NWC's Environmental Protection Officer; Dennis Drennan, a realty specialist with the Western Division of the Naval Facilities Engineering Command (NAVFAC) in San



AICUZ PROGRAM INFORMATION PRESENTED — Capt. Jon Ives (standing at left), Public Works Officer, was the moderator of a public meeting held Monday night for the purpose of providing information on the Naval Weapons Center's Air Installation Compatible Use Zone (AICUZ) Program. Others who helped shed light on various aspects of the AICUZ study were (seated, l.-r.) Tom Dodson and W. R. Hattabaugh, while Capt. William B. Haff, NWC Commander, presented brief opening remarks. — Photo by PHAA Terence Cole

Bruno, Calif., and Ray Glass, from the Aircraft Environmental Support Office in San Diego.

During his remarks, Capt. Haff observed that across the nation (as population growth creates development pressures adjacent to military installations), the military is faced

with the challenge of insuring that encroachment does not interfere with operational missions. "Here at the Naval Weapons Center, the continuing development in the Indian Wells Valley has spawned a typical encroachment scenario," he said.

"Our AICUZ study has identified areas where encroachment by incompatible land uses could adversely affect our air operations, which could then curtail our test and evaluation capability," the NWC Commander added.

Analogy Drawn

In clarifying the problem, Capt. Haff pointed out that designation of the approach corridors to Armitage Airfield and to the test ranges as "sensitive to encroachment" is a technique analogous to the planning concept of the design flood on a flood plain.

There are many years in which the design flood does not occur and protection from incompatible development may seem un- (Continued on Page 3)



SNEAKY APPROACH — Dust from Owens Lake floats southward across Lower Centennial Flats back of the Coso Mountains and toward the Panamint Valley. The picture was taken from above Keeler, looking south, and there was about a 10-knot surface wind blowing. Fugitive dust and blowing sand damage shrubs and other vegetation sufficiently so that the edge of the desert advances not only at Owens Lake but in many other dry areas of the world. If techniques planned for use at Owens Lake are able to alleviate the increasing dust problem, they could be applied to stop the 10 to 20 mile annual southward creep of the Sahara as well as growth of deserts in India and elsewhere around the globe.

Four to receive Michelson Lab Award on Monday










Four Centerites who have been singled out to receive the Michelson Laboratories Award will be in the spotlight during a luncheon that will be held on Monday, starting at 11:30 a.m., at the Commissioned Officers' Mess.

Presentation of the Michelson Laboratories Award, which is designed to recognize technical and professional excellence based on an individual's performance and serve to further the NWC mission, will be made by Capt. William B. Haff, NWC Commander, and Bob Hillier, Technical Director.

This award, which was established in 1966, is complementary to the Center's highest local award—the L. T. E. Thompson Award.

Employee service awards

The following Naval Weapons Center employees have received Federal service or NWC length-of-service awards:

 Lawrence R. Mason 35 yrs. Fed'l Service Code 25922	 John S. Ward 30 yrs. Fed'l Service Code 3247	 Bob Swallow 30 yrs. Fed'l Service Code 3933	 Carl A. Heller 30 yrs. Fed'l Service Code 3851
 Carl E. Burkey, Jr. 30 yrs. Fed'l Service Code 31404	 James R. Cooke 25 yrs. Fed'l Service Code 3191	 Billie R. Benton 25 yrs. Fed'l Service Code 2594	 William R. Bryant 25 yrs. Fed'l Service Code 3267
 John D. Whittaker 25 yrs. Fed'l Service Code 25731	 Lloyd J. Hall 25 yrs. Fed'l Service Code 3265	 Douglas W. Cowan 20 yrs. Fed'l Service Code 3141	 Carl N. Helmeck, Jr. 20 yrs. Fed'l Service Code 3814

Gas-saving tips will be offered at holiday safe driving program Wed.

The Naval Weapons Center's annual holiday season traffic safety program, which is coordinated by the Safety and Security Department, will be presented at the Center theater next Wednesday, Dec. 5, beginning at 10 a.m. and also at 1 p.m.

Each of the identical programs will be an hour in length, and all NWC personnel, as well as their spouses and dependents of driving age who are able to attend are invited to do so.

In addition, supervisors are urged to make use of this program in place of their monthly safety meeting for December.

Because of the high cost of gasoline, emphasis during the program will be placed on driving habits that waste gas and money, as well as on safety tips that can, if heeded, help to prevent vehicle accidents.

Capt. L. P. Aldana, NWC Vice Commander, will open the program with general comments on the importance of safety on the job, at home, and during leisure time activities prior to introducing the principal speakers, who are Ron Nelson, police chief at China Lake; and Cdr. Perry Patterson, the Center's Staff Judge Advocate, who presides over the NWC Traffic Court. In addition, a representative of the California Highway Patrol will be present.

The speakers will discuss common vehicle accidents in the local area, typical traffic citations issued, and the fact that, in some cases, the same measures a motorist should take to reduce the possibility of an accident can also save gasoline.

Featured during the program will be the showing of a film entitled "Featherfoot." This movie, obtained from the Department of Transportation, stresses the point that some driving habits waste gasoline and money and teaches the kind of techniques to be used behind the wheel of a motor vehicle that can help drivers to save gas.

Time will be set aside near the end of each program for answering questions from the audience, and for further discussion of any of the information that has been presented.

Supervisors are asked to permit Centerites to attend one or the other of these safety conservation programs.

Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 992, Ext. 2049. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 996 or 997). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Plant Account Supervisor, GS-591-7/8, PD No. 760850N, Code 88613 — This position is that of head, Plant Account Office which is organizationally located within the Accounting and Disbursing Division, Office of Finance and Management. In this position the incumbent will provide the following operating and property accounting services: maintain and control the Center's plant property records; serve as liaison and control center for plant property acquisition, transfer, and disposition processes passing to and from departments; prepare and submit periodic and special plant property records to various management levels on and off Center. The incumbent is responsible for management of the Plant Account Office and is responsible for training and supervising 4 to 8 plant account technicians. **Job Relevant Criteria:** Ability to supervise; knowledge of accounting principles and procedures; knowledge of computer capabilities and terminology; knowledge of property management and control techniques; ability to deal effectively with others.

File applications for the above with Kitty Berry, Bldg. 34, Rm. 206, Ph. 2723.

Secretary (Typing), GS-318-3/4, PD No. 792908N, Code 398 — This position is located in the Sparrow Program Office, Weapons Department. The incumbent provides clerical assistance to the Sparrow Program Office staff. Duties will consist of receiving and screening visitors and incoming phone calls; receiving, opening, and screening mail; typing official letters, memorandums and reports; maintaining files; performing timekeeping duties, etc. **Job Relevant Criteria:** Ability to get along with others in the work group; ability to meet deadlines under pressure; knowledge of Navy correspondence and local filing procedures. Previous applicants need not apply.

File applications for the above with Kitty Berry, Bldg. 34, Rm. 206, Ph. 2723.

Plant Account Technician, GS-501-4/5, PD No. 7508012N, Code 88613 (2 vacancies) — This position is located in the Plant Account Office, Accounting and Disbursing Division, Office of Finance and Management. The incumbent maintains control of an assigned segment of plant account records, coordinates various inventories, develops special information requested by departments, makes regular inspections of plant accountable equipment. **Job Relevant Criteria:** Knowledge of accounting principles and procedures; knowledge of computer capabilities and terminology; knowledge of property management and control techniques; ability to work independently; ability to work effectively with others. Promotion potential to GS-6.

File applications for the above with Terry George, Bldg. 34, Rm. 206, Ph. 3118.

Planner and Estimator (A/C Equipment), WD-4204-3, JD-597N, Code 2633 — Temporary NTE/one year. This position is in the Engineering Division of the Public Works Department. The incumbent provides detailed manpower/material estimates in support of facility maintenance for the entire laboratory. This includes inspection, job write-up, and material lists and sketches for construction, alteration, repair and maintenance. In addition to this, the incumbent inspects such items as refrigeration and A/C systems, evaporative cooling systems, heating and ventilating systems, steam and compressed air systems and allied equipment. **Job Relevant Criteria:** Ability to facilitate production; technical practices; ability to interpret instructions, specifications and knowledge of pertinent materials; knowledge of pertinent tools and equipment.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 206, Ph. 2925.

Secretary (Typing), GS-318-4/5, PD No. 792208S, Code 324 — This position is located in the Advanced Technology Division, Ordnance Systems Department. The incumbent will provide secretarial and clerical support to the division office. Maintains division head's calendar, makes travel arrangements, receives incoming telephone calls and mail and routes them appropriately, and prepares data for supervisor's use in conferences and meetings. Maintains division files. **Job Relevant Criteria:** Ability to type efficiently; ability to use a magnetic card typewriter; ability to deal tactfully with a wide variety of people. Knowledge of Navy and NWC correspondence procedures and format. Knowledge of standard Navy filing systems.

Secretary (Typing), GS-318-4, PD No. 7932086, Code 3207 — (This is a temporary position not to exceed one year.) The position is located in the Program Management Office, Ordnance Systems Department. Incumbent types files, reviews and routes incoming correspondence, receives visitors and phone calls and directs them appropriately, prepares time cards, purchase orders and other documents, and prepares travel orders and itineraries. **Job Relevant Criteria:** Ability to type quickly and accurately; ability to deal tactfully with a wide variety of people. Knowledge of standard Navy filing procedures. Knowledge of standard Navy filing systems.

File applications for the above with Pat Gaunt Bldg. 34, Rm. 212, Ph. 2514.

Sheet Plate Metal Worker, WG-3801-8, JD No. 597, Code 2642 — Incumbent will assist in the layout, fabrication, assembly and installation of prototypes, experimental parts and equipment made from various types of ferrous and non-ferrous metal and alloys. Performs electric arc welding, oxyacetylene welding, radio graph cutting, soldering, and burning. Works from blueprints, sketches and specifications. **Job Relevant Criteria:** Ability to do the work of the position without the need for direct supervision; knowledge of materials of the trade; ability to use hand and power tools; layout and pattern development; ability to follow instructions, specifications and blueprints; knowledge of equipment.

File applications for the above with Lucy Lambert, Bldg. 34, Rm. 212, Ph. 3037.

Interdisciplinary, GS-9/11/12, PD No. 7931188, Code 3141 — (2 vacancies) These positions in the interdisciplinary series: Physicist GS-1310, Mathematician GS-1620, Electronics Engineer GS-855, or Mechanical Engineer GS-830. Each position is that of an Inertial Navigation System Engineer in the Inertial Systems Branch, Avionics Division, Systems Development Department. New software approaches are being developed to better utilize the existing inertial hardware in the A-7E and A-6E aircraft. The incumbents work closely with NAVAIRSYSCOM and contractors in reviewing and evaluating the hardware/software integration of state-of-the-art developmental inertial systems to be used on F-18 and AV-8B aircraft. Support is given to NWC Aircraft Program activities. New software approaches are being developed to better utilize the existing inertial hardware in the A-7E and A-6E aircraft. The incumbents work closely with NAVAIRSYSCOM and contractors in reviewing and evaluating the hardware/software integration of state-of-the-art developmental inertial systems to be used on F-18 and AV-8B aircraft. Support is given to NWC Aircraft Program activities. **Job Relevant Criteria:** Knowledge of FORTRAN and Assembly Language programming techniques is desirable; a working knowledge of digital and analog electronic design, experience and/or education in rigid body kinematics and dynamics is required; ability to communicate verbally and in writing. Due to the specialization of this area of expertise, on-the-job training will be used to develop the basic skills of the applicants in the inertial navigational areas.

File applications for the above with Pat Gaunt Bldg. 34, Rm. 212, Ph. 2514.

Electronics Engineer, GS-855-11, PD No. 7939111, Code 3944 — This position is in the Electronics Branch, Electro-Optics Division, Weapons Department. The incumbent will be involved in the design, analysis and testing of electro-optical guidance and control systems and subsystems. Included are the design of scanning methods, reticles, imaging techniques, analysis and implementation of modulation techniques in conjunction with applicable signal processing, design analysis, test and evaluation of advanced infrared and charge coupled device trackers and missile systems; and integration of the guidance and control designs with various platforms and missile systems. **Job Relevant Criteria:** Experience with analog/digital systems or subsystems design in the area of missile guidance.

Electronics Engineer, Physicist, GS-855, 1310-12, PD No. 7939112 or 7629085, Code 3944 — This position is in the Electronics Branch, Electro-Optics Division, Weapons Department. The incumbent performs background and investigative studies, exploratory advanced and engineering development, test and evaluation of electro-optical sensors to meet the future threat capability. Included are target detection, identification and background



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

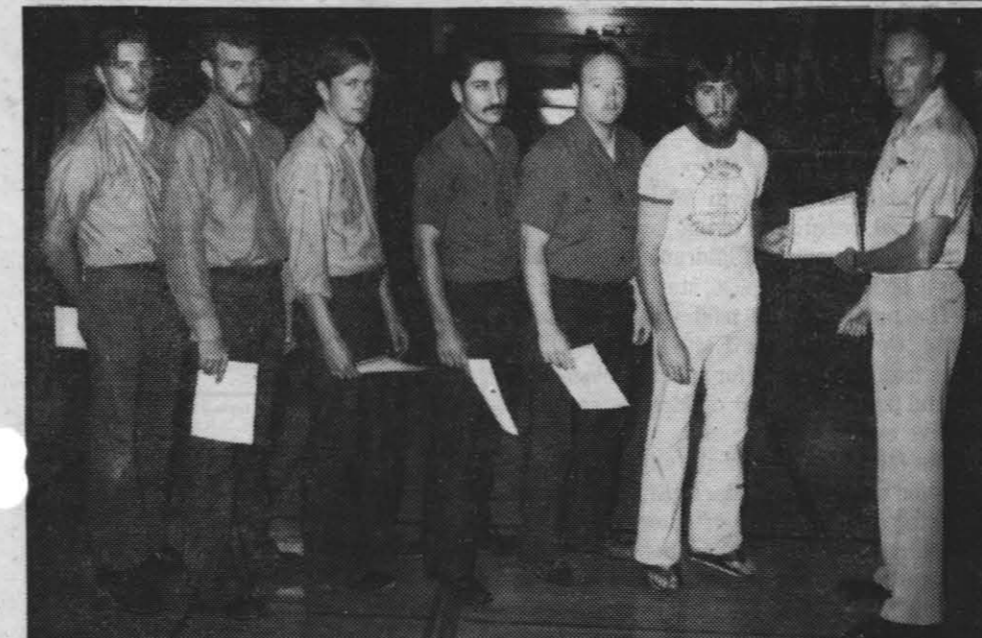
ROMAN CATHOLIC
MASS
Sunday 0830-1130
Nursery, Chapel Annex 1 0815-1245
Daily except Saturday, 1135, Blessed Sacrament Chapel

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 afternoon 12th grade 1630
As announced "In Home" Discussion Groups and Youth Rallies

Contact Chaplain's Office for specifics.

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



FLAG FOOTBALL TEAM CONGRATULATED — Certificates commending them for their efforts in the recently held 11th Naval District flag football competition were presented by Capt. William B. Haff (at right), NWC Commander, to the players who represented the Center in this event. The China Lakers won the Northern Area flag football tourney held at the Naval Construction Battalion Center, Port Hueneme, thereby earning the right to participate in the 11th ND finals in San Diego. In the latter event, the NWC team defeated the USS Belleau Wood squad 56-44, but lost twice to Miramar NAS by scores of 25-20 and 33-19. Members of the NWC all-military flag football team are (l.-r.) Jerry Ghera, Bill Linhardt, Dave Stein, Bart Gambardello, Gary Fecteau, and Andy Price, quarterback and player-coach. Five other players — Jim Carr, Rick Jones, Barry Adams, Jerome Heibert and Fred Schloesser — were unable to be present for the photo. —Photo by Ron Allen

Burros lose CIF grid tilt

(Continued from Page 4)

had trouble getting getting a grip on the ball which hit the ground and bounced before he could get to it. As a result he was tackled and driven back into the BHS end zone. Instead of a safety, however, the officials ruled that McDowell was stopped on the 1 yd. line.

Punting four plays later from the BHS end zone, Bell got the ball out to around the Burros 35. Tenney was there to catch the ball and ran it back to the Burros 14 to set the stage for the Spartans' next touchdown.

After a 5-yd. penalty was called on the Spartans, Hause rifled a pass to Taylor, who was dropped on the 10, and Mendicino, the fullback, plowed his way to a first down on the BHS 4 yd. line. Three plays later, Hause plunged over from the 1 for the score. The PAT on a kick by Farr was good, and La Canada had boosted its lead to 19-0 with just a minute left to play in the third quarter.

On the first play of the final period, a fumble by McDowell turned the ball over to the Spartans on the BHS 20 yd. line. The Burros' defense held and a fourth down field goal try by Farr was blocked. This denied the La Canada team the possibility of putting an additional 3 points on the scoreboard.

Billy Brown replaced Drake at quarterback for the Burros, who were able to move the ball from their own to the La Canada 25, where a late hit cost the Spartans 15 yds. when the officials set the ball on the host team's 12 yd. line.

Passes from Brown to Bell and Tim Dominguez picked up a pair of first downs to get this drive going as far as midfield. Mike Waters powered through the line for 10 more yds. and another first down that had been preceded by a 5-yd. penalty against La Canada.

From the Spartans' 35, Brown passed to Bell for a 5 yd. gain and Waters broke

through the line for a first down at the 25 on a play that was followed by the 15 yd. penalty against La Canada.

Two successive penalties cost the Burros 20 yds. back to the Spartans' 32, and two attempts to pass (which failed) ended this potential scoring drive by the Burros.

Near the 2-min. mark in the fourth quarter, the Burros found themselves at their own 25 yd. line following a punt by La Canada, and Drake, who was back in at quarterback, handed off to Albert Pinchem. The latter nearly broke loose for a lengthy gain before fumbling the ball, which was recovered by Chris Day, of the Spartans, on the La Canada 30.

Leading 19-0, the Spartans retained possession of the ball for the remainder of the game as they posted their 10th win of the season and remained in contention for CIF honors.

Mobile Homes team fattens lead in Premier League

The Triangle Mobile Homes kleglers fattened their lead to three games over their closest rivals in the Premier Bowling League, following Monday night's action at Hall Memorial Lanes.

The bowlers for Triangle Mobile Homes now have 26 wins and 10 losses, compared to the 23-13 mark of The Place. The Raytheon Sidersiders are in third place — six games off the pace.

The high team game score (990) was posted by Triangle Mobile Homes, while the Partlow Construction squad came through with the top team series score (2,798).

Benny Whiteside's triple 200 series with single game scores of 225, 203 and 200 for a total of 628 earned him high individual honors for the night. Other Premier League bowlers over the 600 series mark were Warren Turnbaugh and Jim Kincheloe, who had identical scores of 610 each.

In addition to Whiteside, Premier Leaguers with single game scores of more than 200 were Pat Nalley (241), Ken Dalpiaz (231), Ed Donahue (230), Loy Espiritu (225), Ray Freascher (223), and Bill Zebley (222).

Current standings in the Premier League are:

Team	Won	Lost
Triangle Mobile Homes	26	10
The Place	23	13
Raytheon Sidersiders	20	16
Clancy's Claim Co.	19	17
Hideaway	18	18
Partlow Construction	17	19
E.R. I. Hustlers	16	20
Elks Lodge	15	21
Buggy Bath	15	21
Fisher Plastering	11	25

Cagers practice . . .

(Continued from Page 6)

Right now, Dalton Heyward, a 6 ft., 4 in. sophomore, who is a transfer student from Buford, S.C., has shown promise, and is being groomed as a possible starter, Coach Bird said.

Ricky Drake, his brother Danny, and two other players from the Burros varsity football team — Billy Brown and Curtis Edmonson — have turned in their gridiron gear and joined the basketball team this week. In addition, the varsity hoop squad is rounded out by four players who have moved up from last season's jayvee team. They are Bob Wright, Scott Dedmon, Larry Edmon, and Mark Hucek.

Mobile blood bank schedules visit to Ridgecrest Tuesday

Another of the regularly scheduled visits to Ridgecrest by the Houchin Community Blood Bank's Mobile unit from Bakersfield will take place on Tuesday from 1 to 6 p.m. Pints of blood contributed to the Indian Wells Valley Blood Bank's Advanced Fund will be collected at the Ridgecrest Elks Lodge, 200 E. Church St.

According to Kay Thoms, chairman, 194 blood donors turned out for the visit by the blood bank's mobile unit on the first Tuesday in October, and she is hoping to equal or exceed this record participation next week.

Donors may designate the person to whom their blood is to be given, or contribute a pint of blood to the IWV Blood Bank's Advanced Fund for whoever may need it.

Those who donate blood in a particular patient's name must, however, follow up and contact Mrs. Thoms by calling 375-4323, since she is the only person in this part of Kern County who can arrange for the release of blood from the Houchin Blood Bank.

Anyone between the ages of 18 and 66 who is in good health is invited to help restore the local supply of blood, which will be used for those in need of transfusions due to accidents, illness, or surgery.

Donating a pint of blood takes an hour or less of a person's time. Volunteer assistance during the mobile blood bank visit to the Ridgecrest Elks Lodge is provided by members of the Elks Lodge and its women's auxiliary, the Indian Wells Valley Nurses Club, and Beta Sigma Phi Sorority.

On Tuesday, prospective blood donors will be checked by a nurse at the blood bank, and are asked not to eat any dairy products or fatty foods within three hours prior to the time they expect to donate blood. Anyone who has ever had hepatitis, cancer, tuberculosis, heart disease, or syphilis is barred from giving blood.

Dry land ski school to begin next Wednesday

The first session of a dry land ski school, co-sponsored by the China Lake Ski Club and City of Ridgecrest's Recreation Department, will be held next Wednesday, Dec. 5, starting at 7:30 p.m. at the old county building, 250 W. Ridgecrest Blvd. in Ridgecrest.

Instruction in downhill skiing will be provided at the first session, as well as at a second one, which will be held at the same time and place on Dec. 13.

Featured will be a demonstration of basic skiing skills by members of the China Lake Ski Club, along with a discussion of proper equipment and clothing for skiers.

There is no charge for attending the dry land ski school.

Opportunities . . .

(Continued from Page 2)

of grammar, punctuation and spelling.

File applications for above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2392.

Electronics Engineer, GS-855-9/11/12, PD No. 7944012E, Code 4422 — This position is located in the Test Support Branch of the Test Engineering Division, Parachute Systems Department. The incumbent designs, develops, tests and evaluates electronics systems used in the testing of parachutes and other deceleration systems. The incumbent must also arrange for in-house or off-center acquisition of the equipment, oversees its installation and evaluates it in the test situation. **Job Relevant Criteria:** Ability to communicate effectively both orally and in writing. Knowledge of electronic tracking systems and telemetry instrumentation. Knowledge of testing and evaluation methods/procedures at the Naval Weapons Center.

Secretary (Typing), GS-318-4, PD No. 7929092N, Code 4242 — This position is located in the Range Department's Telemetry Operations Branch. The incumbent screens visitors and incoming telephone calls. Prepares and edits correspondence submitted by personnel in the branch. Responsible for proper format, address, correct distribution and security classification. Performs timekeeping duties, arranges conferences, maintains files. **Job Relevant Criteria:** Ability to get along with others; reliability and dependability; ability to type accurately and efficiently; knowledge of Navy correspondence format.


Aerospace Engineer, GS-841-9/11/12, Mechanical Engineer, GS-830-9/11/12, PD No. 7944037E, Code 4412 — This position is located in the Product Support Branch of the Parachute Systems Department. The incumbent performs maintenance engineering functions on parachute and other aerodynamic stabilization and deceleration systems. The incumbent conducts technical investigations into equipment failure/deficiencies reported during service use and takes corrective action required to improve system maintainability and reliability. **Job Relevant Criteria:** Knowledge of integrated logistics support concepts. The ability to communicate effectively both orally and in writing. The ability to organize assignments in such a way that essential features of problems are readily identified and resolved. Knowledge of maintenance policies and procedures. Ability to work effectively with all levels of personnel.

Interdisciplinary Position, Aerospace Engineer, GS-861-9/11/12, Mechanical Engineer, GS-861-9/11/12, Physicist, GS-1310-9/11/12, PD No. 7946026, Code 6411 — (2 vacancies) This position is located in the Engineering Investigations Branch, Parachute Systems Department. Duties of the position are to provide project engineering support in the design, development, test and evaluation of aerial escape, recovery and delivery systems. **Job Relevant Criteria:** Education and experience including theory and techniques, dynamics, aerodynamics, aeronautical materials and manufacturing processes, instrumentation and systems analysis. Ability to prepare technical reports. Ability to orally present data effectively. Ability to deal with contractor representatives.

File applications for the above with Bonnie Owens, Bldg. 34, Rm. 204, Ph. 2577.

Walters Leader, Enlisted Mess, NL-7420-62, 32.40 PH plus benefits, permanent full time — This is not a Civil Service position. Incumbent greets guests and escorts them to a table; supervises waitresses and food service workers as far as duties, appearance and work schedules; acts as cashier; inspects dining room and keeps tables properly set. **Qualifications:** Must have knowledge of dining room etiquette; be able to follow oral instructions and deal with patrons. This is a Merit Promotion position for current Code 089 NAF employees only.

Apply for the above with Cheryl Hartley, Code 089, Ph. 3387.



The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

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Phones 3254, 3355



BHS cagers practice for season opener in Bakersfield Tues.

Burroughs High School's varsity basketball team, defending Golden League champions, will travel to Bakersfield on Tuesday for a non-league encounter that will get the 1979-80 season underway.

Tip-off time for the varsity tilt is 8 p.m. It will be preceded by a junior varsity game that is scheduled to start at 5 o'clock.

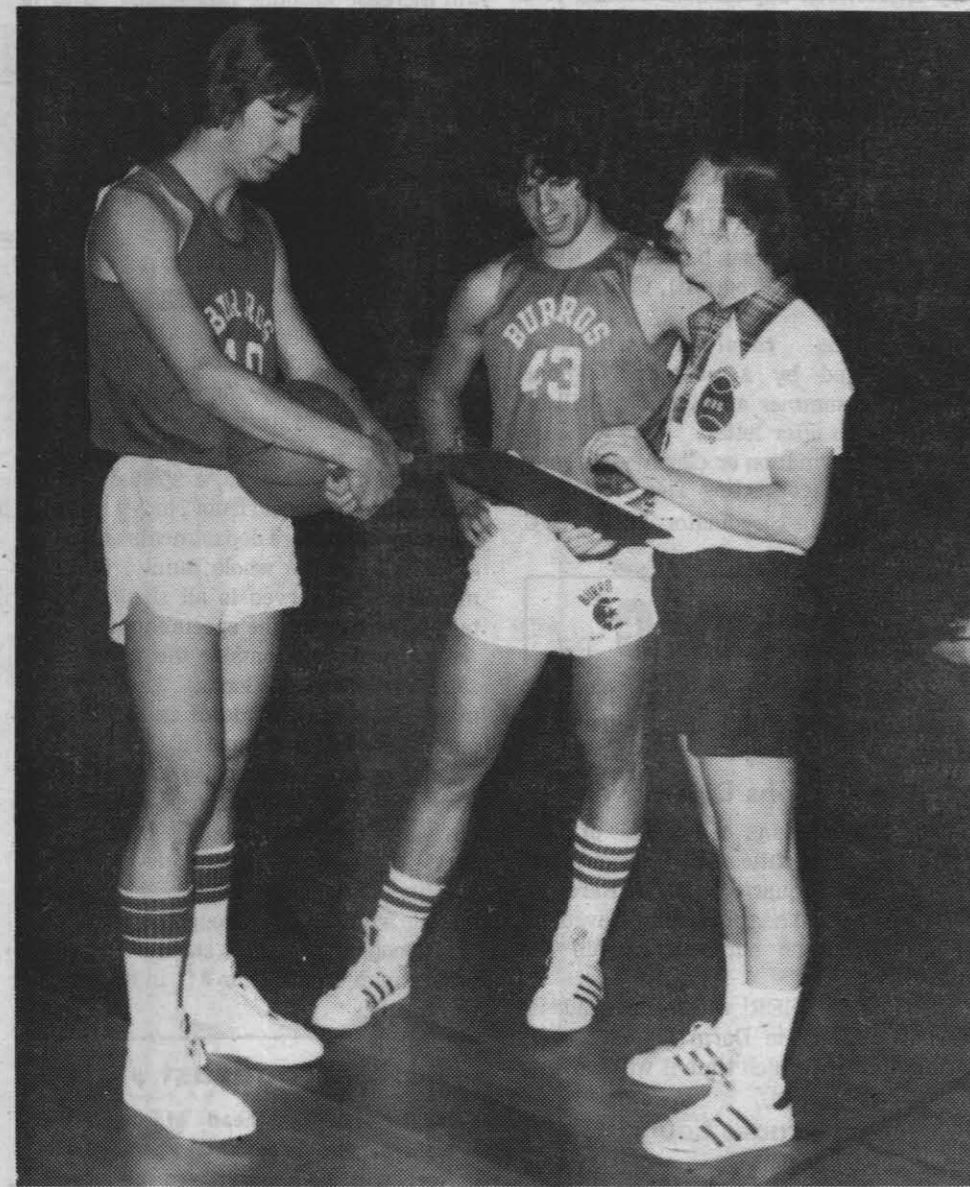
Two-a-day practice sessions on Monday and Tuesday were followed by a scrimmage against the Barstow High varsity squad on Wednesday in preparation for the upcoming game against the Bakersfield High Drillers.

Larry Bird, head coach of the Burroughs varsity hoopsters, and his assistant coaches, have a nucleus of starters from last year's team, plus some promising prospects from last season's junior varsity squad, to shape into another contender for league honors.

Returning varsity lettermen who will be playing again this season are Mike Wirtz, forward; Steve Motte, center and inside rebounder; and Richi Drake, guard and play maker.

Scott Thatcher is another of the returning lettermen for the BHS varsity hoop team. Kevin Kummerman, also a returning letterman, is recuperating from a summertime knee injury. He may not see action until late December or possibly be kept on the sidelines until Golden League action gets underway on Jan. 2, Coach Bird

(Continued on Page 7)



PRACTICE UNDERWAY — Two reasons why Burroughs High School basketball fans are looking forward to another good season by the Burros varsity squad are Steve Motte (at left) and Mike Wirtz, two of the team's returning lettermen, who are discussing practice session plans with Coach Larry Bird. A third returnee to last year's starting quintet is Richi Drake, quarterback on the BHS varsity football team, who missed the first few workouts by the varsity basketball squad.

Burros lose fumble-filled CIF fray 19-0 to La Canada

Burroughs High School's varsity football team made it as far as the first round of CIF playoff competition played last Friday night at La Canada High School, but the 1979 season ended there in a flurry of costly fumbles.

The final score was 19-0 in favor of the La Canada Spartans, champions of the Rio Hondo League, who remained unbeaten with a record of nine wins and two ties after shutting out the Burros.

As it has been doing all season, the defensive unit for the BHS varsity eleven turned in a good performance. On offense, however, it was a case of never being able to move the ball consistently — due mainly to butter-fingered ball carriers who lost the ball just when it appeared that an offensive threat was developing.

Burros Lose Five Fumbles

Five fumbles — all of them recovered by the La Canada Spartans — were too much of a handicap for the Burros to overcome.

After some preliminary sparring during which neither team was able to sustain a drive in the first quarter, the BHS varsity had good field position on its own 48 where a fourth down punt by the Spartans was downed.

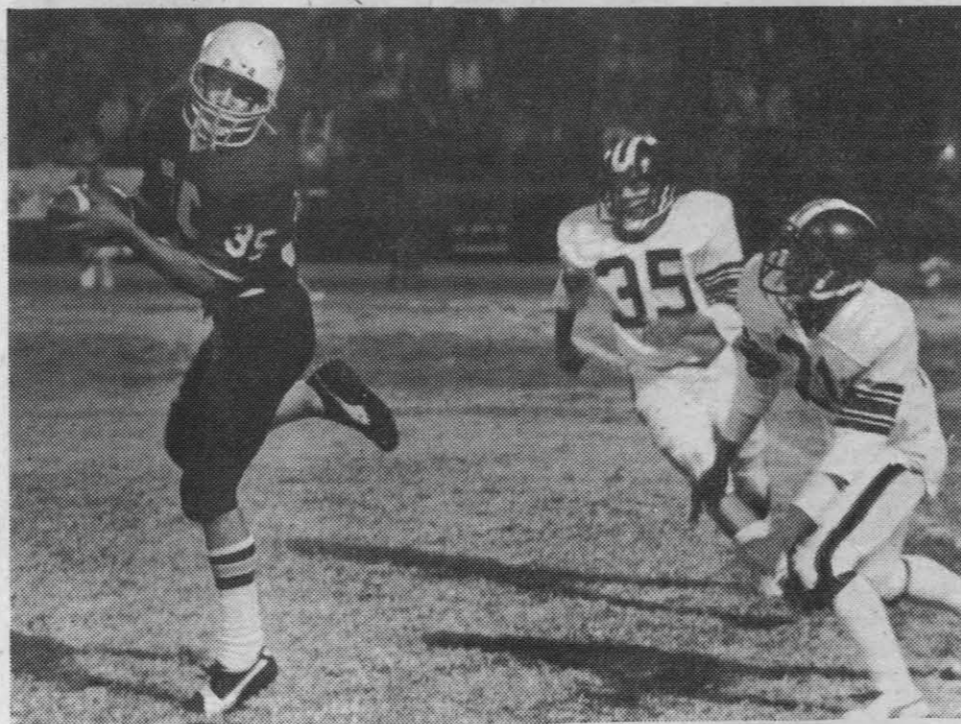
Four pops at the line by Mike Waters and Danny Drake produced a first down by a narrow margin at the Spartans' 42, and two plays later Leotis McDowell broke through a hole in the line for a good gain to the 28. McDowell lost the handle on the ball, however, and the Spartans recovered the fumble.

Field Goal Try Falls Short

From their own 28 the Rio Hondo League champs relied principally on the passing arm of Quarterback Rob Hause to move the ball to the BHS 20, where a field goal try from the 27 yd. line by Bill Farr fell short.

The time-consuming drive continued through the final minutes of the scoreless first quarter and into the early part of the second period before the field goal try was attempted.

Once again in possession of the ball, the Burros were unable to move the ball and punted on fourth down. From near midfield,



— Daily Independent photo by Dan Forbes

PASS DEFENSE VULNERABLE — Dave Cordle (No. 35) and Pat Bien (No. 21), defensive secondary players for the Burroughs High varsity football team, were unable to stop this pass completion to Tom Taylor, wide receiver for the La Canada Spartans. Taylor gained more than 100 yds. on passes from Rob Hause, the Spartans quarterback, and scored the game's first touchdown on a 64-yd. play. The Burros were defeated 19-0 in the first round of CIF playoff competition.

where a fair catch was called, the Spartans were set back to their own 36 by a 15 yd. penalty, but Hause promptly hooked up with Tom Taylor on a pass to the BHS 40 yd. line, and Taylor, who had had beaten the defensive secondary, headed for paydirt.

The long bomb paid off in a 64 yd. touchdown for the PAT on a kick was missed and the score remained 6-0 in favor of the Spartans for the remainder of the first half.

Offsetting turnovers—an interception at midfield of a pass thrown by Richi Drake, BHS quarterback, and the recovery by Dave Cordle of a fumble by Frank Mendocino, the Spartans' fullback—gave Burroughs the ball at their own 37 with 3½ min. left to play in the first half.

Two first downs — the latter on a pass from Drake to Greg Bell, tight end for the Burros—moved the ball to the La Canada 44. Two plays later, after getting close to a first down, the Burros once again fumbled to McDowell, the deep receiver for the Burros, on their own 36 shortly before the first half

80 runners, joggers turn out for Over-Hill Track Club's Turkey Trot Thanksgiving Day

More than 80 runners and joggers turned out on Thanksgiving Day to work up an appetite for their holiday dinner by participating in the fifth annual Turkey Trot, a 3-mile run sponsored by the Over-the-Hill Track Club (OTHIC).

The winner was John Hall, a graduate student at UCLA, who was clocked at 15 min., 54 sec., while Mark Pohl, a 17-year-old senior at Burroughs High School, placed second. Pohl's time was 16:21.

Instead of running the cross country course at Cerro Coso Community College, participants in this year's Turkey Trot started at the Kern Regional Park in Ridgecrest and runners followed a course leading to the Burroughs High School campus, around the tennis courts and outdoor basketball courts, circled both baseball fields and back to the finish line at the park.

The first women to cross the finish line was Kathi May, a cross country runner at Burroughs High, whose time was 19:32, while the youngest runner was 6-year-old Matt Pohl, who placed second among entrants 9 years of age and under who entered the race. He ran the 3-mile distance in 24:59.

Following the race, handicap times were drawn and subtracted from each runner's actual time to determine the winners of two turkeys and a \$20 gift certificate from Cornelius Shoe Store. Turkeys were won by Dick Wisdom and Andrea Paulsen; the gift certificate went to Scotty Broyles, and the "plucked chicken award" (a Cornish game hen) was taken home by Becky Coleman.

ended. Trailing by just 6 points, the Burros continued to stymie the Spartans' offense during the early going in the third quarter, but at the same time were unable to get their own offense moving. It took another break in the form of a BHS fumble by Albert Pinchem that the Spartans recovered on the Burros' 30 yd. line to set the stage for the second score of the night by the La Canada team.

A pass from Quarterback Hause to Taylor gained 18 yds. and a first down at the BHS 12. The Spartans then turned the ball over to Tailback Pat Tenney and the latter gained 3 to the 9 yd. line. On the next play, Tenney swerved to the outside (when the center of the line was jammed up) and covered the remaining distance to the goal line on the next play. A try for 2 points on the PAT failed and the Spartans had to settle for a 12-0 lead.

On the ensuing kickoff by La Canada, McDowell, the deep receiver for the Burros,

(Continued on Page 7)

College basketball team to play 1st home game tonight

First home game of the 1979-80 season for the Cerro Coso Community College basketball team will be played tonight, starting at 7 o'clock, at the Naval Weapons Center gym.

The Cerro Coso Coyotes, led by high scorer John Hall, will take on their counterparts from Reedley College in a non-conference game.

For their first game of the current season, the Coyotes traveled to Porterville last Saturday, where they lost to the Pirates by the narrow margin of 73-70. Hall was the game's high point man with 33, but he was the only player on the Cerro Coso squad to hit the double-figure scoring column.

Bill Locke, coach of the Cerro Coso cagers, hopes for a more balanced scoring attack in tonight's game against Reedley, a school in the Fresno area.

Information given on AICUZ . . .

(Continued from Page 1)

warranted. Yet when the design flood arrives, the lives and property saved from destruction justify the protection.

In a similar manner, Capt. Haff said, the AICUZ designates areas that need to be protected from incompatible development which would create unacceptable hazards to health and safety of the public and could ultimately threaten the continued operational capability of the Center.

"We have developed our AICUZ Program to protect the health, safety and welfare of the valley residents, as well as the Center's operational capability. In the long run," Capt. Haff concluded, "our futures depend upon the implementation of a strong program to prevent incompatible land use."

Range Operations Discussed

Hattabaugh, who discussed the Center's range operations, prefaced his remarks by observing that the Naval Weapons Center occupies the largest piece of real estate which the Navy has, and its value is enhanced by having well-equipped laboratories in the same general location where field tests are conducted on highly instrumented ranges.

Not only because of encroachment problems here, but also because of those in other areas where the Navy and other branches of the military service have airfields and test facilities that are troubled by surrounding incompatible growth, it is essential to retain the real estate and air space here for the benefit of the nation, Hattabaugh emphasized.

The head of the T&E Directorate then summarized the types of test operations that are conducted on the various NWC ranges — mentioning how the capabilities of the ranges have been strained to their operational limits by the jet-powered aircraft in use today.

Tactics Have Changed

Tactics also have changed from the days of propeller-driven aircraft, and more and more weapons delivery tests call for low level flights to simulate actual combat conditions during which aircraft seek to avoid detection by low level approaches to the target.

Relocating Baker, Charlie and George Ranges to the north, thus reducing low level flights over areas just south of the NWC boundaries, is ruled out because the Coso range would endanger such low level flight operations, Hattabaugh said.

An eastward shift of the G range approach corridor is out of the question because terrain features would make impossible line-of-sight radar guidance needed for directing aircraft on weapons test runs, or other aircraft inbound on Armitage Airfield landing patterns.

Extra Hazard Created

Hattabaugh also reminded his listeners that flying at low levels with experimental ordnance that is armed and ready for firing creates potential hazards of a type not associated with airfields where planes are just taking off and landing. Accidental ordnance release has occurred infrequently, but the possibility always exists, he said in spelling out another reason for limiting or prohibiting certain types of land use under the range area approach corridors.

AICUZ is an area in which the Navy would like to cooperate with the community in minimizing future development, Dodson stated as he began his presentation on the AICUZ Program itself.

This study took into consideration noise impact areas (using Community Noise Equivalent Level values), accident potential zones and drop potential zones, as well as an aircraft height obstruction analysis, Dodson said.

The total land area encompassed within the NWC AICUZ is 62,680 acres. Of this total, 38,340 acres are located within the boundaries of NWC and 24,340 are located in Kern and San Bernardino Counties and the City of Ridgecrest. However, the highly restricted area which the Navy proposes either to acquire title to or restrictive ease-

ments to amounts to only a small portion of the off-Center total — approximately 2,400 acres — which is the area most severely impacted by aircraft noise, or is unsafe for residential use due to possible accidents from falling ordnance or aircraft landing mishaps.

Film slides were flashed on a screen to show the areas of most severe impact from NWC flight operations. Based on a count made earlier this year, it is estimated that there are more than 30 mobile homes and four single family residences on land situated below the low level aircraft approach to Baker and Charlie Ranges, and another 19 mobile homes, 19 single family residences (plus the Valley View Airpark) in the corridor beneath the low level approach to G Range.

The approach corridor to Baker and Charlie Ranges extends two miles south of Inyokern Rd. Its westerly boundary is a line approximately 1¼ miles west of the Jacks Ranch Rd., which is the east boundary of the property that the Navy wishes to acquire in this area.

G Range Approach Corridor

The G Range low level aircraft corridor begins on the Trona Rd. at a point approximately one quarter mile east of the Kern / San Bernardino County line road and extends south for a distance of nearly 2½ miles. The width of this corridor is a maximum of three-quarters of a mile to the east.

In concluding his presentation on the AICUZ Program, Dodson noted that because much of the land south of NWC is owned by the Bureau of Land Management, the Center and its representatives will be in contact with the BLM in an effort to encourage the BLM to retain the land under its jurisdiction rather than open it up for private development.

Also, NWC will work with city and county planning agencies to minimize future conflicts and discourage incompatible development.

Last Alternative

Acquisition of private property is the last alternative in the AICUZ Program. Even in those areas where it is determined to be the best alternative, the Navy does not have to acquire ownership of the land. Instead, restrictive use easements can be purchased from land owners in order to head off incompatible land use.

The possibility of owners of land in severely impacted areas exchanging their property for land that is excess to the Navy's needs was brought up by Capt. Ives. This could include some 470 acres of land along N. China Lake Blvd. that has been preliminarily zoned for commercial use.

Exchange is most practical, the Public Works Officer added, where properties of significant size (100 to 300 acres, for example) are involved.

A request for funds for use in acquiring

(Continued on Page 5)



SALTY STUDY — Tom Dodson, NWC Environmental Protection Officer, studies the effects of the growth of salt crystals on a wooden post buried in the bed of Owens Lake. Salts dissolved in the ground water evaporate at the surface leaving crystals of salt at the surface. The growth of the crystals has split the wooden post. The surface of the lake is roughened by the growth of the crystals, making it easy for the wind to pick up dust from the fine clays on the lake surface. The roughened surface at Dodson's feet was produced by this process.

Dust problem studied. . .

(Continued from Page 1)

portions of Kern, Riverside, San Bernardino, and Los Angeles Counties.

The Great Basin Unified Air Pollution Control District, which consists of Inyo, Mono, and Alpine Counties, is the agency most concerned about the deteriorating air quality because of fugitive dust from Owens Lake.

While the lake itself is not in the jurisdiction of the Southeast Desert Basinwide Air Pollution Control Council (which includes the other areas affected by Owens Lake dust), the Council passed a resolution on Sept. 5 that recommended that the State Lands Commission seek an appropriation from the State Legislature to implement dust control measures. Dust from Owens Dry Lake is seen as a regional problem. This dust creates a health hazard

for individuals, and also affects the long range visibility needed by both Edwards Air Force Base and the Naval Weapons Center to achieve their missions of research, development, test, and evaluation.

Chairperson of the Council is Gene Tackett, Kern County Supervisor for the district that includes Indian Wells Valley. His office serves as a contact point for volunteers who are being sought to help in the study.

Volunteers are needed to collect samples, to take pictures, and to actually dig into the problem by digging into the lake bed at various points. Those who wish to volunteer or who seek additional information may contact Paul Colter, administrative assistant to Supervisor Tackett, by telephoning his office, 375-1306.

The most recent meeting of the task force was held in mid-November at Lone Pine. All such gatherings are open to the public.

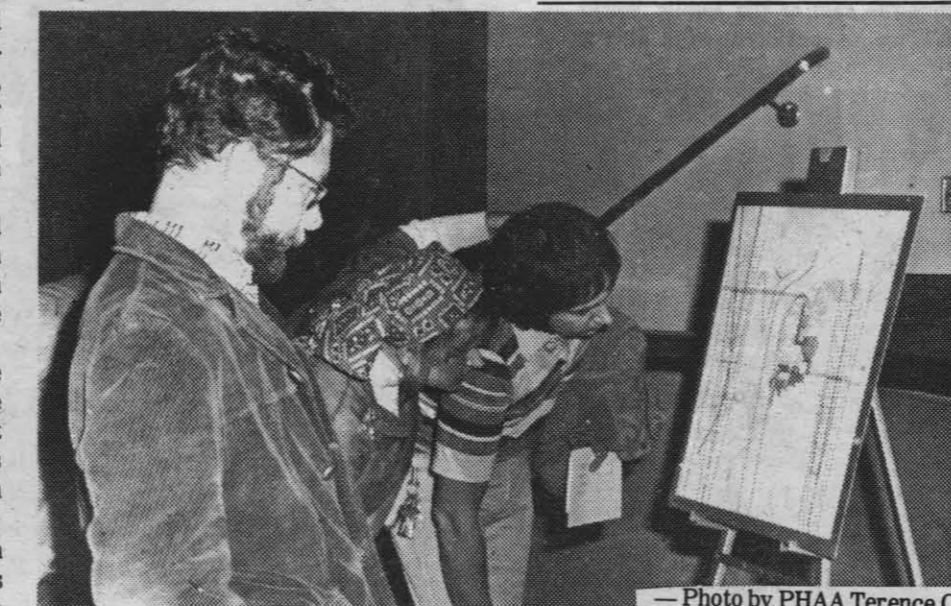
Gas Sales plan . . .

(Continued from Page 1)

reduce the amount of gas sold, a lower limit may have to be re-established.

The November gasoline allocation to the Navy Exchange service station is only 79 percent of the number of gallons purchased in November 1978. Patrons are asked to conserve gasoline whenever possible so that the quota will permit sales for essential driving.

If gasoline sales are not adequately curtailed by the odd-even sales system, curtailment of operating hours or days at the Navy Exchange service station may have to be imposed.



— Photo by PHAA Terence Cole

AICUZ MAP STUDIED — A map, a well as charts and film slide presentations were used to help clarify information presented at a public meeting on the Naval Weapons Center's AICUZ study and steps proposed for its implementation. During a break in the meeting, some members of the audience looked over the maps and charts displayed at the front of the Burroughs High School lecture center.

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Federal Managers Ass'n to install officers on Tuesday

Officers who will direct the activities of China Lake Chapter No. 28, Federal Managers Association (FMA), for the coming year will be installed during a luncheon meeting on Tuesday, starting at 11:30 a.m., at the Enlisted Mess.

Special guests on this occasion will be Capt. William B. Haff, NWC Commanding Officer, and Bill Hamilton, FMA's first vice president on the national level, who will be coming here from the Pacific Missile Test Center, Point Mugu.

Officers of FMA Chapter 28 who will be installed by Hamilton are: Dennis Rowell, president; Gayle Poppen, 1st vice president; Jim Williams, 2nd vice president; Donna Gonder, secretary; John Woodruff, treasurer; Les Saxton, sergeant-at-arms; Edna Easterling, historian, and Nina Lane, chaplain.

In addition, Glen Johnson will be installed for a 3-year term as a director of the local chapter of FMA. He joins Don Vaughn and Barbara Thurman, who will remain as directors for one and two more years, respectively.

In addition to serving as installing officer, Hamilton will present a report on matters of current interest to FMA members, including Civil Service pay reform. Those planning to attend the FMA installation luncheon are asked to make reservations at the EM Club no later than Monday by calling Debby Dyrman at 446-6929.

Public Works Dept. personnel -- on job both day, night

Accomplishing the mission of the Naval Weapons Center depends on the skills and creativity of its scientists and engineers, but the scientists and engineers require a smoothly running physical plant in which to do their work.

For instance, unless the flow of electricity is even and the building environment properly controlled, many computers will not function well. And so it is with all the other advanced technology applications that are required for Navy mission fulfillment.

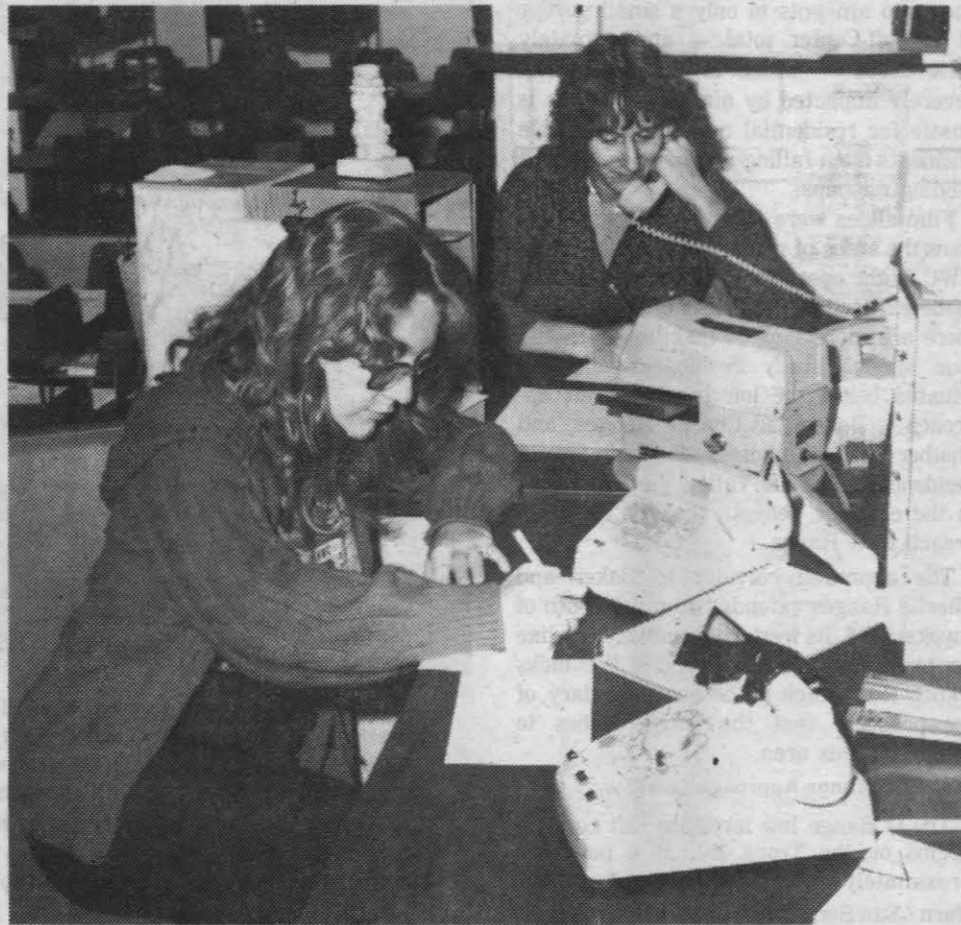
Public Works Department personnel are responsible for keeping this physical plant operational -- quite a task when the size of the Center (more than 1,700 square miles and 2,719 buildings) is considered.

The 317 men and women in the Maintenance-Utilities Division (Code 264) work out of 4 branches and 23 work centers to perform the tasks needed which range from repair of electrical motors to sewing insulating canvas jackets for pipes to running the boiler plants. About 75 to 80 percent of their time is spent on facilities maintenance, with the rest spent on construction, emergency services, and utility operations.

Number of Employees Cut

While the physical plant has expanded in complexity during the past ten years, the number of craftsmen maintaining it has shrunk by nearly 40 percent; this means that work must be scheduled more carefully and longer in advance to ensure that it is completed when project personnel require that the work be done.

Major construction operations are ordinarily planned and coordinated through the Public Works Department's Engineering Division (Code 263); the repair and maintenance calls come in through the



TROUBLED? — Barbara Parsons logs in a call that she has just received on the Trouble Desk, while Lee Motleigh talks with a caller who has maintenance problems. More than a hundred calls a day are received on the regular NWC ext. 2268 number; night and weekend emergencies can be covered by telephoning NWC Ext. 2917.

Trouble Desk (NWC Ext. 2268).

While all work is accomplished as promptly as possible, emergencies have priority. Technically, an emergency is anything that endangers human life, threatens the well-being of the NWC

mission, endangers government property, or directly interferes with the performance of emergency response capability (fire, ambulance, police, etc.). Priority service calls are those involving either energy conservation or the conservation of natural resources.

Scheduling Important

Scheduling and prioritizing become important when it is noted that the Trouble Desk gets from 700 to 800 calls in a normal week, and from 50 to 100 calls on a busy weekend for plumbing, heating and cooling, or electrical emergencies. For such emergencies, PW personnel respond 24 hours a day, 365 days of the year; this is a service that, they note, frequently homeowners in town are unable to get.

The busiest times for Trouble Desk calls come when there is a change in the weather, during holiday seasons, and when the clocks are rolled back or forward because many of

the Center's operations are controlled by time clocks that need adjusting.

PW personnel are looking forward to a new computerized scheduling system that will be installed some time after the beginning of the new year and will be in full operation by July. When it is on-line, task requirements can be coordinated more smoothly and materials and tasks can more easily be tracked from beginning until the job is completed.

Journeymen in Majority

Nearly 75 percent of the craftsmen hired by the Public Works Department attained journeyman status in their craft before they were employed; the rest receive on-the-job training, attend classes at the Training Center and at Cerro Coso Community College, and take correspondence courses to enhance their skills.

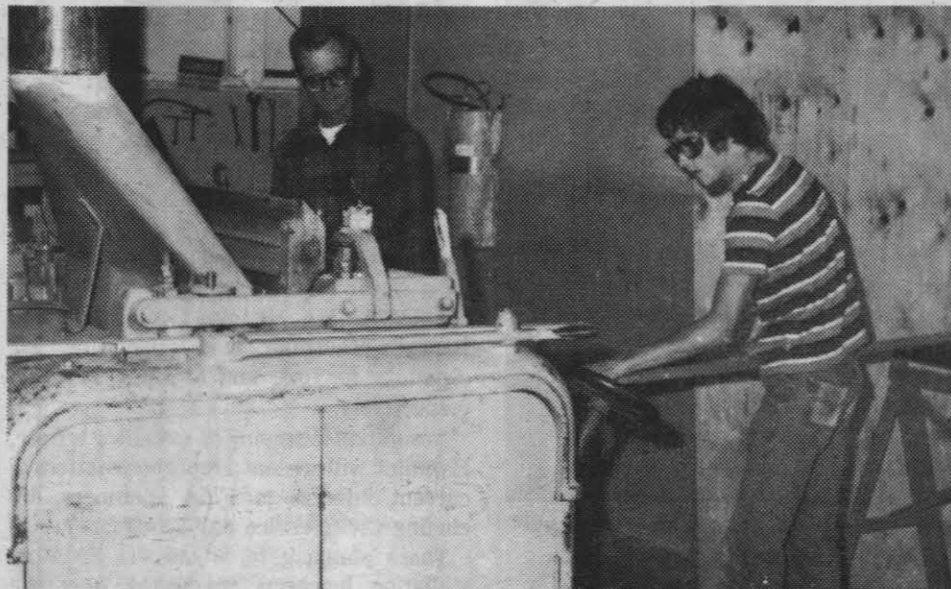
While some of these craftsmen move into billets in the technical codes to do project work, others have been with the Public Works Department for 30 or more years. Both types of trade application are needed to help NWC achieve its mission.



SUPPLIES ON HAND — Lee Sorenson from the electric shop checks to see if he has all the parts that he might need before answering a service call.



TORCH JOB — Gerald Jones applies a welding torch to unite two pieces of metal. Welding operations are carefully screened from the rest of the Public Works machine shop as a safety precaution. Safety is a prime consideration in all PW operations.



LEARNING HOW — Bobby Richardson, a senior at Burrroughs High School, learns how to handle a miter saw under the watchful eye of Richard Kamka. Richardson is a work experience student who is learning woodworking during his class time.



DRIP, DRIP, DRIP — Richard Brown, a plumber from the pipe shop, works with a residential heating system that is sputtering and leaking. Plumbers are among the Public Works Department personnel who are on duty 24 hours a day to meet industrial and residential emergencies.

— Photos by Ron Allen

Information given on AICUZ...

(Continued from Page 3)

fee title or purchasing restrictive easements in connection with the AICUZ Program has been included in the Military Construction Project now being considered by Congress. He expects legislation authorizing funding to be passed by Oct. 1, 1981, Capt. Ives said.

Members of the audience, many of them property owners in the areas proposed for acquisition by the Navy, were given an opportunity to make statements and ask questions during the latter half of the meeting.

Many disagreed with the determination that had been made that they were living in a high noise area, while others were interested in learning about the appraised value of their property.

Asked to provide a "ballpark" figure on the preliminary appraised value of the whole package the Navy has submitted to Congress, Drennan, the realty specialist with NAVFAC, reported that it was \$2,058,000 for property underlying the C Range corridor, and \$3,740,000 for that beneath the approach to G Range.

A second appraisal at a later time will be necessary, once funding for the AICUZ land purchase effort has been approved by Congress. In the meantime, land owners in the areas being considered for acquisition by the Navy were encouraged to get their own property appraisals for comparison with those done for the Navy.

"At this time, we have no money or authority to do anything," Capt. Ives explained, while Dodson noted: "We are in a planning phase and can't act yet, but we are here tonight to tell you what we are planning to do to protect the operational capability of the Naval Weapons Center."

A trade for nearby BLM land was mentioned hopefully as a possibility by one of the land owners in the audience. He was advised that any land exchange with the BLM would be a long, drawn-out process and is not being considered.

Suggestions offered to help drivers get more miles per gal.

With gasoline shortages predicted and odd-even gasoline distribution going into effect throughout most of California on Monday, getting the most miles out of each drop of gasoline becomes more important than ever.

An obvious first suggestion to those who must use an automobile to commute to work is to car pool. The highly successful van pool in operation at the Center is saving all its members hundreds of dollars a year (and, more important in the energy crisis, saving hundreds of gallons of gasoline).

Energy efficient driving practices are essential. If all U.S. drivers merely reduced idling time, accelerated and applied their brakes as smoothly as possible, and drove at moderate driving speeds, it would save an estimated two million barrels of oil a day. (Just one minute of idling time consumes a half-pint of gasoline.)

A properly tuned engine saves both gasoline and money. Air filters should be kept clean. Dirt in an air filter cuts off air to the engine and an air-starved engine gulps gasoline.

Aramid radial fiber belted tires have less rolling resistance than steel radials. High-pressure radials will achieve the same result as reducing car weight on the average car by 600 lb. In any case, radials will increase gasoline mileage by up to 10 percent.

Most important of all is the consideration of whether driving a car for an errand is really necessary -- would it be possible to walk or ride a bike instead?

Think about it -- and then act!

NEX open on Sundays to help holiday shoppers

As a convenience for holiday shoppers, the Navy Exchange retail store will be open on the four Sundays before Christmas, starting this Sunday. Sunday hours in the Bennington Plaza store will be from 10 a.m. until 3:30 p.m.

On Saturday, Dec. 15, a special Family Night sale will be held from 7 to 9 p.m., with bargains in all store departments accounting gift items for the whole family. Refreshments will be served to all shoppers who take advantage of the special holiday sale.

A sidewalk sale outside the main retail store is planned on Sunday, Dec. 16, with many items marked down as much as 50 percent for bargain hunters.

Patrons are reminded that the Navy Exchange will have a superb selection of Christmas trees on sale at the Personalized Services store by the Navy Exchange gasoline station. The trees will be offered for sale from Dec. 13 through 15. Plantation firs, Douglas firs, and standard Douglas firs, ranging from 3 ft. to 8 ft. in height, will be on sale.

Burro broadcast slated

Tilly Barling, head of the NWC Natural Resources Management Office, will be interviewed on Radio Station KLOA at 8:15 a.m. next Friday, Dec. 7, about the burros on the Center. She will present an overview of the burro situation, and will be available to answer questions called in while she is on the air.



Photo by PHAA Terence Cole

SPLINTER OWNERS? — While no real "plank owners" at NWC — personnel who were in the first contingent arriving after the base was established as the Naval Ordnance Test Station in late 1943 — remain, three employees who arrived shortly thereafter are still Center employees and might be considered to own at least a splinter. Rose Gonzales (l.) and Anna McDuff, management analysts, were congratulated by Capt. W. B. Haff, NWC Commander, for their length of service at a party held in their honor by the Office of Finance and Management. They arrived on Dec. 6 and Nov. 23, 1944, respectively; only Zane G. Lancaster, a maintenance general foreman in the Public Works Department, predates their arrival. He has a NOTS/NWC service date of Nov. 17, 1944.

Information released on summer employment program

Information regarding employment in the annual Federal Summer Program has been released by the Office of Personnel Management.

All applicants must be U.S. citizens and must be 18 years of age or at least 16 years of age and either have graduated from high school or passed the high school proficiency examination.

Application procedures vary, depending on the type of summer employment sought.

Those interested in positions in Group I (clerical positions, GS-2 through GS-4) must take a written examination. Applications to take this test may be obtained from the NWC Civilian Personnel Office Receptionist Desk in Bldg. 34 or from the nearest OPM Job Information Center. The application must be submitted before Jan. 11, 1980, to the OPM Area Office having jurisdiction over the area in which the applicant wishes to take the test.

The applicant will be notified of the time and place to report for the written test, which will be given during the months of January and February. Test results will be sent within 60 days to those taking the test.

Group I applicants who pass the test must submit the following forms between March 15 and April 15, 1980, to each agency where they wish to be considered for employment.

(1) A photocopy of their notice of results from tests taken in 1978, 1979, or 1980. The original copy of the notice should not be sent.

(2) The application for Federal Summer Employment (OPM Form 843A).

(3) A copy of SF-15, with a photocopy of appropriate proof, if a 10-point veterans' preference is sought. An agency may continue to re-employ, without additional competition, previous summer employees who were appointed to a Group I position on the basis of a test taken after 1975. Those who wish to apply for re-employment must submit a Personal Qualifications Statement (Form SF-171) and an SF-15.

Applicants for Group II positions, which include positions as engineering aid, math aid, computer aid, physical science aid, biological aid, recreation aid, or lifeguard, at GS-2 through -4 ratings, are not required to take a written test. Instead, between Jan. 1 and April 15, 1980, they must submit the following:

(1) A Personal Qualifications Statement (Form SF-171), indicating which position is being sought.

(2) List of College Courses and Certificate

of Scholastic Achievement (CSC Form 1170/17), which must be completed by applicants who are applying on the basis either of college study or a combination of college study and experience.

(3) SF-15, for those who claim 10-point veterans' preference, with a photocopy of appropriate proof.

(4) Photocopy of a current W.S.I. certificate, for applicants for lifeguard positions.

Those who were employed in Group II positions in 1978 or 1979 or former Group II employees hired on the basis of the 1976 or 1977 Summer Employment Exam may be re-employed without additional competition.

Those seeking re-employment under these provisions must submit, no later than April 15, 1980, a Personal Qualifications Statement (Form SF-171), CSC Form 1170/17, and, if applicable, the SF-15 form for those seeking veterans' preference.

To apply for Group III professional, administrative, or technical positions at ratings of GS-5 or above, applicants must file a Personal Qualifications Statement (Form SF-171); a CSC Form 1170/17, for those applying on the basis of college study or a combination of college and experience; and SF-15, for those who wish a 10-point veterans' preference. These must be filed

between Jan. 1 and April 15, 1980.

Group V jobs are designed to provide job opportunities to educationally and economically disadvantaged youths between 16 and 21 years of age who need money from a summer job to go back to school. They do not have to be high school graduates. Sons and daughters of Navy employees cannot apply for this program within the Department of the Navy.

Applications for Group V positions, which pay minimum wage, must be submitted by May 1, 1980. The applications consist of a Personal Qualifications Statement (Form SF-171), and a Summer Aid Program Questionnaire, which will be carefully screened to determine that the applicants meet the required income criteria.

Those who wish to apply for summer work at NWC must file separately for each individual Group (I, II, III, or V). Each separate package must be sent to NWC, Code 092 (Summer Program), China Lake, Calif. 93555.

Applications received will be acknowledged by a postcard. Those selected for summer appointments will be notified by an offer letter.

Further information or clarification may be obtained by contacting Tina Rockdale, summer program coordinator, phone NWC ext. 2657.

Happenings around NWC

Members of the Protestant Women of the Chapel will gather for a Christmas luncheon on Tuesday, starting at 11:30 a.m. in the East Wing of the All Faith Chapel.

Tickets for the luncheon, priced at \$2.50 each, can be ordered by calling Cheryl Haun, at 375-4947; or stopping by at the All Faith Chapel office during the week, or after church services on Sunday.

Entertainment during the luncheon will be provided by the Burroughs High School Madrigal Singers, under the direction of Russell Parker. The vocal music group will present a program of Christmas music.

Star Gazers To Meet

The China Lake Astronomical Society will hold its annual meeting on Monday evening at 7:30 in the Society's hut at 401-A McIntire St.

A film produced by the National Aeronautics and Space Administration entitled "Regenerative Processes: Living in Space" will be shown. Slides of two field trips to the San Fernando Observatory and

to the Griffith Park Observatory, taken by Carroll Evans and Rick Lasher, will also be shown.

Publications Div. Moves

The Publications Division of the Technical Information Department has moved to new quarters at 73 Bard St. Although Code 341 has physically moved, all division telephone numbers remain the same.

The ROCKETEER will remain in its current quarters in Dorm 17 (Bldg. 671) until Dec. 14, at which time it will move to Dorm 13 (Bldg. 464).

Metal Trades Council

The Indian Wells Valley Metal Trades Council will hold its next regular monthly meeting on Thursday, Dec. 6, at 65-B Halsey, Ave., China Lake. The meeting will get underway at 7:30 p.m.

The Council is the representative of a unit composed of the Center's non-supervisory ungraded civilian employees.