

Spay, neuter group seeks donations for July rummage sale

Directors of the Indian Wells Valley Spay and Neuter program are now seeking donations for a rummage sale that will be held on July 22 at the old Kern County Building, 230 W. Ridgecrest Blvd., Ridgecrest.

All money raised from the sale will go into a fund that is used for making rebates of half the cost pet owners incur when they have their dogs or cats either spayed or neutered.

Local area residents can select the veterinarian of their choice to have the operation performed, keep their receipt for payment, and then contact Mrs. Pat Gay, of the IWV Spay and Neuter program (ph. 446-2484) to arrange for the rebate.

Those having contributions for the July 22 rummage sale are asked to contact Wendy Child, by calling 446-4770, for information on where the donations for the rummage sale are being collected, or to arrange to have them picked up.

All rummage sale donations are tax deductible. The IWV Spay and Neuter program can provide a form to be used for this purpose by those requesting it.

Plans announced for COM 'Membership Night' fete July 21

Plans were announced this week for the next "Membership Night" party, which will be held on Friday, July 21, at the Commissioned Officers' Mess.

Dinner at the special price of \$3 per person for members and guests will feature a country barbecue buffet which (weather permitting) will be served on the lanai.

Music for the listening and dancing pleasure of COM patrons will be provided by the Sounds of Country, a "rock" music group, and there also will be a special floor show at 10 p.m.

Reservations to attend the July "Membership Night" fete can be made by calling 446-2549.

Tickets still left for 'Diamonds' show at CPO Club June 30

Some tickets are still left for the Chief Petty Officers' Club's Golden Oldies presentation of "The Diamonds," which is scheduled on Friday evening, June 30.

Tickets for this reservations-only event are priced at \$25 per couple. The price includes a charcoal broiled steak dinner. A few good tables remain, George Barnard, club manager, said, explaining that tables may be reserved when tickets are purchased.

Meanwhile, tonight and tomorrow night, the CPO Club will again feature "The Sounds of Country" rock music group in continuation of a highly successful run at China Lake.

Navy Exchange to close for inventory

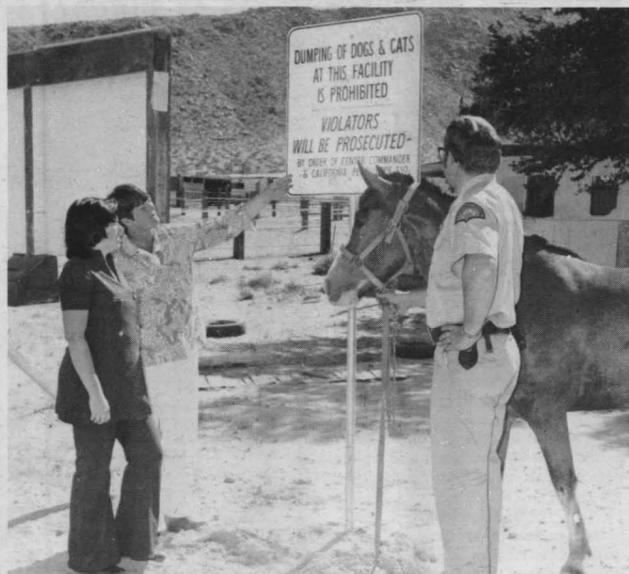
The Navy Exchange Retail Store and Annex will be closed on Sunday and Monday, June 25-26, for the purpose of taking inventory.

The inventory is a part of the process involved in the transfer of the duties of Navy Exchange Officer from Lt. M. S. Barnett, who has been transferred to a Fleet frigate homeported in San Diego, to his replacement, Ltjg. R. J. Boyd.

Rock band, special menu on tap at Enlisted Mess

The Enlisted Mess tonight will feature "The Copenhagen," a "rock" music group from San Diego.

Tonight's menu in the dining room will feature the Club's popular surf and turf special (top sirloin and lobster.)



OFF LIMITS TO UNWANTED PETS — Because of the actions of a number of unknown persons who have left unwanted cats and dogs and litters of kittens or puppies at the NWC stables, the above sign has been placed at the stables for the purpose of informing anyone who might be inclined to do so that this is a violation of both NWC regulations and the state law. Unwanted pets (being undernourished) often develop illnesses that are transmitted to horses — some 30 of which are now kept at the Center stables. Looking over the recently installed sign are (from left) Marsha Hunt, a horse owner; Carol Hape, manager of the stables for the NWC Special Services Division, and Merton Davis, animal control officer for the Ridgecrest-China Lake area. — Photo by Ron Allen

Gala Fourth of July Fete to be held at Desert Empire Fairgrounds

The Desert Empire Fairgrounds in Ridgecrest will be the setting for a gala Fourth of July celebration that will begin at 2:30 p.m. on Independence Day and conclude at around 9 p.m. with a fireworks display.

Tony Martin, manager of the Desert Empire Fair, Inc., is coordinating plans for this admission-free communitywide event, which will include games and activities for persons of all ages.

Shaded Picnic Area Available

A shaded outdoor picnic area will be available for the use of those who would like to bring their own picnic fare, and there will be charcoal-filled braziers heated and ready for use by those who wish to broil their own hamburgers, hot dogs or other meat.

In addition, hamburgers and hot dogs will be on sale at the Knights of Columbus booth on the fairgrounds, while the Ridgecrest Chamber of Commerce will be selling cold beer and soft drinks.

The Ridgecrest-China Lake Optimist Club will be in charge of the greased pole climb, and other competitive events — including a watermelon eating contest and pie eating contest — will be supervised by the Kiwanis Club of Ridgecrest and the American Legion, respectively.

For those who prefer being indoors during a summer afternoon, air-conditioned Joshua Hall will be open, chairs set up, and music and other forms of entertainment are being planned inside as part of the Fourth of July celebration.

Flagpole Dedication Ceremony

A special part of the afternoon and evening program will be the dedication at 5 p.m. of the Roy Martin memorial flag pole at the fairgrounds.

The late Roy Martin, who died in November 1975, joined the Desert Empire Fair board of directors in 1966, served several terms as vice-president of the board, and could always be counted upon when volunteer work was needed at the fairgrounds.

His widow, Mrs. Janice Martin, will be here to accept a flag that has flown over the nation's capitol and is being made available by Congressman William Ketchum. It is this flag that will be raised by representatives of local veterans' organizations during the flagpole dedication ceremony.

Al Klassen, president of the board of the 53rd Agricultural District (more popularly known as the Desert Empire Fair) will officiate at the ceremony, along with representatives of State Senator Walter Stiern and State Assemblyman Larry Chimbole.

DEF Manager Tony Martin expects this year's fireworks display to be "bigger and better" than last year's. Contributions towards the goal of \$1,500 to make this possible are still being sought.

Civic-minded groups or individuals interested in assisting with the Independence Day celebration by sponsoring games or special events are asked to contact Tony Martin at the fairgrounds by calling 375-8000 as soon as possible.

Women's physical fitness workshop to begin on Sunday

A physical fitness workshop in "Creative Movement" for the benefit of women residents of the local area will begin Sunday and continue through next Thursday, June 29, at Joshua Hall on the Desert Empire Fairgrounds in Ridgecrest.

The instructor for this workshop, which is being sponsored by the High Desert Women's Center, will be Louise McEwan Sweatt, a member of the Eleanor King Dance Company of Santa Fe, N.M.

Prospective participants will have the choice of attending either the morning sessions from 9:30 to 11:30, or afternoon sessions from 1:30 to 3:30. There is a fee of \$20 for the series of five classes which is payable at the time of registration on Sunday.

A reception honoring Ms. Sweatt will be held from 7 to 9 p.m. Sunday in the hospitality room of the First Federal Savings and Loan Building, 111 N. Balsam St., Ridgecrest. All interested women are invited to attend.

The recently organized High Desert Women's Center is located in the old Kern County Building, 230 W. Ridgecrest Blvd. Regular hours of operation are: 10 a.m. to 2:30 p.m. and 7 to 9:30 p.m. on Mondays; 10 a.m. to 12:30 p.m. on Tuesdays and Thursdays; and 12:30 to 4:30 and 7 to 9:30 p.m. on Wednesdays.

MOVIES

Regular starting time—7:30 p.m.

FRIDAY & SATURDAY June 23 & 24

"The Choirboys" (119 min.) In a series of episodes alternating between wild drinking parties and on-duty conflict with authority, a group of big-city cops present an unrelieved view of policemen as bawdy, violent, sex-obsessed bigots who are not above blackmail. Charles Dunning frames his superior. Perry King gets caught with a prostitute. Don Stroud kills a man during an alcohol-induced hallucination; and a deputy chief attempts a cover-up by falsifying records. (Comedy drama, rated R)

SATURDAY June 24

1:30 Matinee

"Seven Golden Men Strike Again" (102 min.) Under contract to a superpower's intelligence agency, a gang of international thieves, led by Philippe Leroy, kidnap a South American dictator. Their real intent, however, is to use the atomic submarine supplied for that purpose to pursue their own separate scheme. (Adventure drama, rated G)

SUNDAY June 25

"Poco" (96 min.) A shaggy little poodle is separated from its owners after an automobile accident. Frightened and confused, the dog sets out to find its way home to mistress, Michelle Ashburn. The film, which documents the dogs' adventures while hitch-hiking along the highway, also stars Chill Wills. (Adventure drama, rated G)

WEDNESDAY June 28

1:30 Matinee

"Star Trek" Two episodes from the popular television series will be shown: "Return to Tomorrow" and "Errand of Mercy." (Adventure drama, rated G)

WEDNESDAY & THURSDAY June 28 & 29

"Which Way is Up?" (101 min.) Richard Pryor plays three roles — a sex-starved fruit picker, dirty old man and a flandering minister. Pryor joins a farm workers' movement and is driven out of town. Forsaking his wife, Margaret Avery, he becomes involved with union organizer Lonette McKee. Meanwhile, Avery has an affair with the smooth-talking minister, and Pryor is exploited by the union. The language used to squeeze laughs from the audience during this racially-oriented film's ridiculous and uncomfortable situations may be offensive to some persons. (Comedy, rated R)

FRIDAY June 30

"Mister Scartface" (92 min.) Jack Palance shoots and kills his robbery accomplice. The victim's son witnesses the act and is beaten by Palance and left for dead. Years later, the boy returns as protection racket collector Harry Baer for mobster Edmund Purdom to even the score. (Action drama, rated R)

SATURDAY July 1

1:30 Matinee

"Wacky Taxi" (81 min.) Ex-factory worker John Austin tries to undercut the licensed competition by offering reduced taxi rates to sailors and, in the process, encounters numerous zany adventures on the streets of San Diego. (Comedy, rated G)

"The Flower in His Mouth" (114 min.) School teacher Jennifer O'Neill encounters problems teaching in a small Sicilian town and with her rich, powerful landlord, James Mason. Further complications arise when a stranger who had vulgarly accosted her is later found shot in the head and with a flower in his mouth. (Drama, rated R) 3097.

FRIDAY & SATURDAY June 23 & 24

"The Choirboys" (119 min.) In a series of episodes alternating between wild drinking parties and on-duty conflict with authority, a group of big-city cops present an unrelieved view of policemen as bawdy, violent, sex-obsessed bigots who are not above blackmail. Charles Dunning frames his superior. Perry King gets caught with a prostitute. Don Stroud kills a man during an alcohol-induced hallucination; and a deputy chief attempts a cover-up by falsifying records. (Comedy drama, rated R)

SATURDAY June 24

1:30 Matinee

"Seven Golden Men Strike Again" (102 min.) Under contract to a superpower's intelligence agency, a gang of international thieves, led by Philippe Leroy, kidnap a South American dictator. Their real intent, however, is to use the atomic submarine supplied for that purpose to pursue their own separate scheme. (Adventure drama, rated G)

SUNDAY June 25

"Poco" (96 min.) A shaggy little poodle is separated from its owners after an automobile accident. Frightened and confused, the dog sets out to find its way home to mistress, Michelle Ashburn. The film, which documents the dogs' adventures while hitch-hiking along the highway, also stars Chill Wills. (Adventure drama, rated G)

WEDNESDAY June 28

1:30 Matinee

"Star Trek" Two episodes from the popular television series will be shown: "Return to Tomorrow" and "Errand of Mercy." (Adventure drama, rated G)

WEDNESDAY & THURSDAY June 28 & 29

"Which Way is Up?" (101 min.) Richard Pryor plays three roles — a sex-starved fruit picker, dirty old man and a flandering minister. Pryor joins a farm workers' movement and is driven out of town. Forsaking his wife, Margaret Avery, he becomes involved with union organizer Lonette McKee. Meanwhile, Avery has an affair with the smooth-talking minister, and Pryor is exploited by the union. The language used to squeeze laughs from the audience during this racially-oriented film's ridiculous and uncomfortable situations may be offensive to some persons. (Comedy, rated R)

FRIDAY June 30

"Mister Scartface" (92 min.) Jack Palance shoots and kills his robbery accomplice. The victim's son witnesses the act and is beaten by Palance and left for dead. Years later, the boy returns as protection racket collector Harry Baer for mobster Edmund Purdom to even the score. (Action drama, rated R)

SATURDAY July 1

1:30 Matinee

"Wacky Taxi" (81 min.) Ex-factory worker John Austin tries to undercut the licensed competition by offering reduced taxi rates to sailors and, in the process, encounters numerous zany adventures on the streets of San Diego. (Comedy, rated G)

"The Flower in His Mouth" (114 min.) School teacher Jennifer O'Neill encounters problems teaching in a small Sicilian town and with her rich, powerful landlord, James Mason. Further complications arise when a stranger who had vulgarly accosted her is later found shot in the head and with a flower in his mouth. (Drama, rated R) 3097.

Ski Club to hold party

A party for members of the China Lake Ski Club and their guests will be held tomorrow from 6 p.m. to midnight at the Sandquist Spa recreation area.

Barbecued hamburgers and hot dogs will be on the menu, along with salads, chips and dips, beer and soft drinks.

To help work up an appetite, party-goers will be invited to try their hand at pitching horseshoes or playing volleyball, and there will be music for those who wish to relax and enjoy the summer night.

U.S. Government Printing Office: 1978 — No. 131

From: _____

To: _____

PLACE
STAMP
HERE

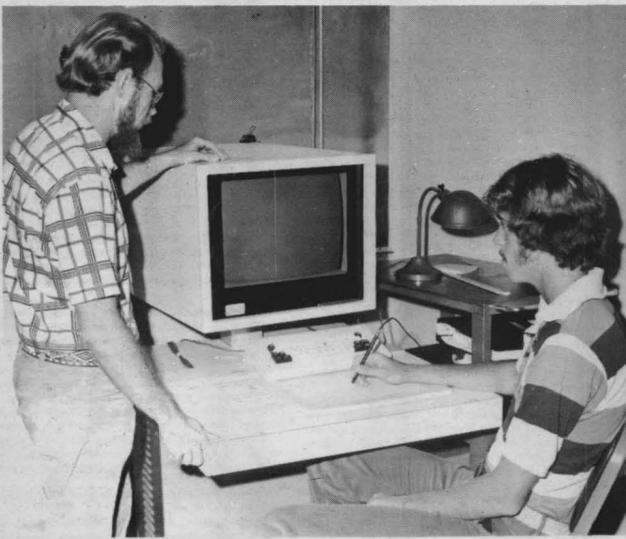
nwc rocketeer

Naval Weapons Center
China Lake
California

June 23, 1978
Vol. XXIII, No. 25

INSIDE . . .

- Energy Resources Discussed 2
- Navy Relief Society Drive Ends 3
- ASPA Slates Annual Meeting 4
- Seabees Qualify on Rifle Range 5
- Sports 6
- Flag Day Ceremony Held 7
- 4th of July Fete Planned 8



INTERACTIVE GRAPHICS SYSTEM CONSOLE — Art Oestreich (seated) of COMARCO and Marty Olson of Computer Sciences Corp. prepare to demonstrate the Interactive Graphics System's operator console. To produce an engineering design using the system, a rough sketch is first drawn on an electronic tablet with a stylus, which Oestreich is holding in his right hand above the tablet. Next, the computer is programmed to convert the sketch into a precise drawing when the exact lengths of lines, angles and other refinements are indicated by using the two keyboards above and to the left of the electronic tablet. Both the rough sketch and the completed drawing are displayed on the cathode ray tube.

Returnable beverage container test at China Lake will end on June 30

The practice, which has been in effect for the past year, of charging a refundable 5-cent deposit on all cans or bottles of beer or soft drinks purchased at the Navy Exchange and package store for off-premise consumption will end next Friday, June 30.

According to Ltjg. Robert J. Boyd, who recently relieved Lt. M. S. Barnett as Navy Exchange officer, patrons will have until mid-August to return specially marked beverage bottles and cans in order to obtain the deposit they paid at the time of purchase.

The Naval Weapons Center was one of ten military installations in the continental United States selected to participate in this test of an Environmental Protection Agency (EPA) program aimed at reducing litter on Federal installations and conserving raw materials by recycling cans or bottles in which carbonated beverages were sold.

The test also was an effort to determine the effect of the deposit system as an incentive to get purchasers to return empty bottles and cans for recycling. At the same time, the economic impact on the military retail system of charging a deposit on returnable beverage containers has been assessed.

Locally, because patrons of the Navy Exchange and package store had the option of going off-Center to purchase soft drinks and beer, one result of the EPA test and 5-cent deposit was a reduction in the sale of soft drinks and beer at the Navy Exchange and retail store.

In addition, Ltjg. Boyd reported, the costs related to the EPA tests were higher than normal operating costs for the Navy Exchange.

After next Friday, June 30, patrons of the Navy Exchange and package store who come in to purchase soft drinks and beer no longer will be required to leave behind a 5-cent deposit for each bottle or can, Ltjg.

Boyd repeated in the hope that customers who may have been lost during the past 12 months while the EPA test was under way will return.

During the past year, no deposit was charged for soft drinks sold at more than 80 soft drink vending machines located in

(Continued on Page 3)

PN1 Sam Thompson picked as NWC's Bluejacket of Month

"It's hard to believe that one individual can be involved in so many different things" is the way FTCS D. C. Vander Houwen, NWC's Senior Chief Petty Officer of the Command, described the Naval Weapons Center's Bluejacket of the Month for May, Personnelman First Class Samuel C. Thompson.

The 28-year-old outstanding sailor is the Center's enlisted personnel section coordinator and assistant to the Leading Chief Petty Officer of the Command.

PN1 Thompson has an impressive list of off-duty interests and hobbies including acting, painting, prospecting, writing, photography, scuba diving, flying, long-distance running, sculpting, martial arts, officiating at high school football and basketball games and furthering his formal education.

In the letter nominating him for the award, PN1 Thompson was cited for his exemplary professional performance of duty.

"He consistently carries out all tasks in a superior manner and performs duties well above the norm," the letter states.

The recommendation also notes his outstanding military behavior, his high standard of military conduct, his competent leadership and his immaculate appearance.

PN1 Thompson, a native of Arizona, is a graduate of Patagonia (Ariz.) High School

Interactive Graphics System reduces engineering design production time by one-half

With the installation of a new PDP11/34 computer this week, the time required to complete a design on the NWC Computer Sciences Division's Interactive Graphics System will be reduced by 30 percent, John Anderson said.

Anderson is the Center's computer aided design and computer aided manufacturing coordinator and a general engineer in the Computer Services Branch of the Systems Development Department. As such, he is the principal contact here for the Interactive Graphics System.

The present system already provides engineers with the capability to design and redesign weapons systems and their components in from one-third to one-half the time required by conventional drawing board methods, Anderson explained.

A turn-key, off-the-shelf item of Applicon, Inc., of Burlington, Mass., the Interactive Graphics System (IGS) consists of a central processing unit, its associated equipment and four design terminals. The system is connected to the Center's UNIVAC 1110.

Called "interactive graphics" because the designer-operator's creativity interacts with a display on the cathode ray tube (CRT), the system can reproduce any stored design or enlarged portion of it.

The system can be used for engineering design, documentation or drafting. It can display on the CRT two dimensional and three dimensional drawings, as well as isometric and perspective views.

Drawings are sketched manually on an electronic tablet with a stylus and the sketch appears on the CRT in its rough form.

In operation for a year the Center's IGS has been in operation for a year, and the Center has been assigned the task by the Director of Navy Laboratories to study the possibility of installing Interactive Graphic Systems in other Navy research labs.

Dale Christensen, a Code 3941 mechanical engineer, has conducted the study which is due for submission next month.

IGS has been used at NWC on such programs as Sparrow, the A-7E Simulator

(Continued on Page 3)

A design terminal has two keyboards: one resembles a standard typewriter keyboard. The other has several symbols which — when depressed — tell the computer to perform specific functions, such as draw a straight or curved line.

After the operator has made the rough sketch, by using the keyboards and by making certain cryptographic markings on the tablet to program the computer, a refined, accurately drawn copy of the rough sketch is reproduced on the CRT.

Although this is an oversimplification of a highly complex electronic operation, this example is basically all an engineer has to know about IGS to understand the end result of its use.

Computer Can Store Drawing

In this manner, an engineer may design an entire component, part-by-part, and then store the completed drawing in the computer for future recall and modification, if necessary.

Where rotating parts are involved, the computer will also show if parts have sufficient clearance while they are turning and compute any clearance errors.

After completing a design, a parts list of all components may be entered into the computer. This list can be recalled at will, reducing the amount of documentation required when designing complex weapons systems.

After a design has been completed, it can be reproduced on a high-speed pen-and-ink plotter which is also part of the IGS. In only a few minutes, a drawing which might require hours or days to draft under normal circumstances is ready automatically for blueprinting and distribution.

In operation for a year the Center's IGS has been in operation for a year, and the Center has been assigned the task by the Director of Navy Laboratories to study the possibility of installing Interactive Graphic Systems in other Navy research labs.

Dale Christensen, a Code 3941 mechanical engineer, has conducted the study which is due for submission next month.

IGS has been used at NWC on such programs as Sparrow, the A-7E Simulator

(Continued on Page 4)

Turn in timecards early next Friday

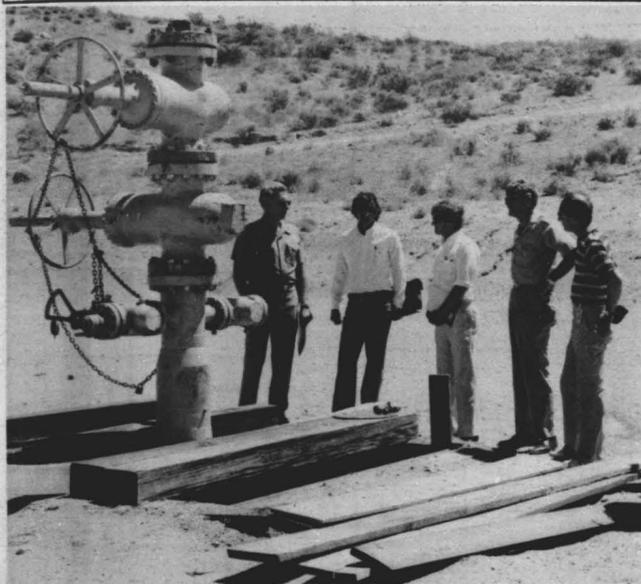
All personnel who are responsible for submission of employee timecards are reminded that because of the upcoming Independence Day holiday on Tuesday, July 4, all timecards for the regular work week ending on July 1 must be delivered to the Payroll Office no later than 11:15 a.m. next Friday, June 30.

This is necessary because the processing of timecards must be completed by next Friday for the payday occurring on July 7. No timecards are to be held out, since failure to provide the Payroll Office with an accurate timecard by the June 30 deadline may result in a delay in pay for employees.

Any overtime worked on Friday night, June 30, or Saturday, July 1, should be submitted on a supplemental timecard for payment covering the subsequent pay period.



PN1 Sam Thompson



GEOTHERMAL ENERGY DRILL SITE INSPECTED — George Marienthal (second from left) was one of a group of recent visitors to the geothermal energy drill site in the Coso geothermal area. Looking over the capped-off well are (l.-r.) Capt. R. B. Wilson, Marienthal, William Sharkey, Capt. F. H. M. Kinley, NWC Vice Commander, and L. R. Blackwood, NWC counsel. —Photo by Gene Edwards

NWC geothermal, alternate energy resources discussed with visitors

George Marienthal, the Deputy Assistant Secretary of Defense (Energy, Environment and Safety), visited the Naval Weapons Center last week for the purpose of discussing geothermal and alternate energy resources.

The distinguished visitor was greeted by Rear Admiral William L. Harris, NWC Commander, and then briefed by Capt. R. B. Wilson, head of the Public Works Department, on geothermal energy tests and evaluation work that has been conducted in the Coso geothermal area.

In addition, he was brought up to date on operations of the NWC ranges by John DiPol, head of the Range Department.

The foregoing preceded a flight by helicopter to the Coso geothermal well site for a first hand inspection of the drilling area, the Devil's Kitchen area, and the old Coso resort area. At that time, a further explanation of the work which has been done was provided by Dr. Carl Austin, head of the Public Works Department's Geothermal Utilization Division.

The next stop for Marienthal and the four members of his party was the registered historical landmark at Little Petroglyph Canyon, where Tilly Barling, head of the NWC Natural Resources Office, reported on the Center's management of cultural, historical and natural resources.

Following lunch, the visitors were taken on a helicopter tour of Randsburg Wash and the Mojave B ranges prior to being briefed by R. D. Fulmer, head of the Energy Program Management Office in the Ordnance Systems Department. Fulmer

discussed NWC's photovoltaic and trash-to-gas energy programs.

Marienthal was accompanied to China Lake by William Sharkey, Director for Energy Policy, Office of the Assistant Secretary of Defense (Manpower, Reserve Affairs and Logistics); Cdr. B. F. Montoya, from the Office of the Chief of Naval Operations; Cdr. S. A. Martinelli, from the Naval Facilities Engineering Command; and Russell Schweikart, who is on the staff of Jerry Brown, Governor of the State of California.

Information retrieval system plugged into Energy Dep't source

The Technical Information Center has two new on-line information retrieval services that are available for Naval Weapons Center personnel.

One of them — called the DOE/RECON Information System — is an on-line retrieval service from the U.S. Department of Energy. It is for use in locating energy information in a broad range of publications (including journal articles, technical reports, books and films). Also covered are such energy-related fields as types of energy (solar and geothermal), energy technologies, fuels and energy policy and management.

NWC employees interested in searching these new data bases can obtain assistance by visiting the reference desk in the Technical Information Center, or calling NWC ext. 3389.

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 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. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 096 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisor 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.

Engineering Equipment Operator, WG-5716-10, JD No. 324, Code 26781, (2 vacancies) — This position is in the Earth Moving Shop of the Public Works Department. The incumbent is required to operate all types of dirt moving construction equipment which includes bulldozers, road graders, road rollers, ditch digging equipment, skidloaders, tractors, and other equipment used to build and to maintain roads. Operates either gasoline or diesel powered heavy duty earth moving equipment; operates equipment over the work area, controlling both speed and direction of the basic vehicle and various attachments; adjusts level and angle of cutting edges on the various attachments for cutting or for dumping dirt on the job site in accordance with the nature of work to be performed; performs minor maintenance such as refueling, lubricating, replacing minor parts, and inspecting the equipment for signs of wear and damage. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; ability to perform operational maintenance; reliability and dependability; ability to interpret instructions, specifications, etc.; ability to operate equipment safely.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 210, Ph. 2022.

Supply Clerk, GS-2005-5, PD No. 7625019N, Code 25732 — Applications will be accepted from status eligibles. This position is located in the Inventory Management Section, Stock Control Branch, Control Division, Supply Department. The duties of the position include maintaining current stock records based on analysis of past and current material demand trends, reviewing and analyzing supply data to determine procurement quantities, developing budget estimates for material inventory levels and coordinating the Center-wide distribution of a wide variety of parts, material and stock items. **Job Relevant Criteria:** Knowledge of the Federal Supply System; knowledge of inventory management; knowledge of computer data files and data entry techniques; ability to use and apply a variety of written manuals and instructions. **Promotion potential:** GS-7.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2371.

Clerk (DMT), GS-301-3/4, PD No. 7635901N, Code 3321 — This position is that of clerk (DMT) located in the Microwave Radiometry Branch, RF Development Division of the Electronic Warfare Department. The incumbent will type from dictating machine, rough draft or handwritten copy all types of letters, charts, memoranda, official correspondence, reports and forms. Secondary duties will include answering phones, placing and receiving long distance calls, receiving visitors, arranging for travel, keeping timecards, sorting and distributing mail, and other office duties. **Job Relevant Criteria:** Ability to type accurately and efficiently; knowledge of navy correspondence regulations and format; ability to work independently; knowledge of grammar, spelling and punctuation; knowledge of engineering terminology.

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 308, Ph. 3118.

Film Librarian, GS-1411-7, PD No. 7823043N, Code 2351 — This position is located in the Applied Photography Branch, Photographic Technology Division, Technical Information Department. The incumbent is responsible for NWC still and motion picture film archives, customer service desk, and NWC photographic service contracts. Duties include maintaining a research file, maintaining the visual data base CRT computer program, cataloging and filing all incoming photographs and motion pictures, acquisition and transferring of photographs from and to the National Photographic Center, monitoring still and motion picture film photographic service contracts, and writing technical specifications for photo processing under the contracts. **Job Relevant Criteria:** Ability to type, to

deal tactfully and efficiently with all NWC employees, knowledge of computer science, knowledge of photographic processing techniques and terminology.

Military Pay Clerk, GS-345-3/4, PD 7117013, Code 0865 — This position is located in the Disbursing Branch, Financial Operations Division, Office of Finance and Management. The incumbent's section is responsible for the Center's military pay functions, provides advice and instructions on military pay systems, processes separations, retirements, and reenlistment pay actions. The incumbent performs the full range of active military pay functions for a block of assigned accounts. **Job Relevant Criteria:** Must be able to deal effectively with all contacts; must be competent in the use of calculators and other equipment; must be competent in arithmetic and posting. **Promotion potential:** GS-345-5. Status eligibles accepted.

Fiscal Accounting Clerk, GS-501-3/4/5, Code 0865, PD No. 7708061 — This position is located in the Disbursing Branch, Financial Operations Division, Office of Finance and Management. The incumbent is a member of the Fiscal Accounting Unit. The unit issues all checks, maintains the cashbook and other reports, processes civilian payroll, and financial returns and reports. **Job Relevant Criteria:** Knowledge of "Accounting Classification" (nine elements of accounting); knowledge of Treasury regulations governing issuance of checks; ability to type, use calculators and key punch equipment; ability to communicate well with all levels of personnel. Status eligibles accepted.

File applications for the above with Tina Rockdale, Bldg. 34, Rm. 204, Ph. 2676.

Interdisciplinary, GS-9/11/12, PD No. 7831040, Code 3191 — This position is interdisciplinary and may be classified in any of the following series: Mathematics, GS-1520; Physics, GS-1310; Mechanical Engineer, GS-830 or Electronics Engineer, GS-855. This position is located in the Analysis Branch, Technical Software Engineering Division, Systems Development Department. Incumbent is responsible for the design, analysis, and implementation of algorithms to be used in the A-E aircraft Inertial Navigation System, the Forward Looking Radar, the Forward Looking Infrared System, the Laser Ranger and Detector Set, and other sensors aboard the aircraft. Incumbent will use modern control and filter theory to develop optimal estimator algorithms for various system parameters used in the navigation, target acquisition, and weapon delivery functions. Incumbent, as a member of the A-E software engineering team, will participate in overall system analysis, tactical computer programming, simulation, and software validation tasks. **Job Relevant Criteria:** Knowledge of the practical application of modern control and filter theory; knowledge of avionics or missile systems analysis, design, and simulation; knowledge of Fortran programming. Previous applicants need not reapply.

Clerk-Typist, GS-322-3/4, PD No. 7831045, Code 3163 — This position is located in the Aerodynamics Branch, Aeromechanics Division, Systems Development Department. The incumbent provides clerical services to the branch office. These services include typing technical

(Continued on Page 4)



DIVINE SERVICES

PROTESTANT	
Sunday Worship Service	1015
Sunday School — All Ages	0900
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	
Saturday 1700 fulfills Sunday obligation	
Sunday 0830 1130	
Nursery, Chapel Annex 1 0815-1245	
Daily except Saturday, 1135, Blessed Sacrament	Chapel
CONFESSIONS	
Daily 1115 to 1130	
Saturday 1615 to 1645	
Sunday 0800 to 0825	
RELIGIOUS EDUCATION CLASSES	
Sunday First thru 6th grades	1015
Sunday Pre-School & kindergarten	1115
Sunday seventh & eighth (Junior High)	1900
Above classes are held in the Chapel Annexes across from the former Center Restaurant.	
Sunday evening Ninth thru 12th grades	
As announced "In Home" Discussion Groups	Youth Rallies

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

SAVINGS BOND CAMPAIGN LAUNCHED — Tom Madara from the Los Angeles office of the Treasury Department's Savings Bond Division answers questions asked by NWC Savings Bond Campaign department coordinators and their assistants. Madara met with the campaign workers in the Community Center's Panamint Hall last week. The annual savings bond drive, which began June 14 will continue through June 28.

Little League coaches to compete in softball

Two teams made up of China Lake and Ridgecrest Little League baseball coaches and managers will compete in an exhibition softball game tomorrow, starting at 6 p.m., at the Kerr-McGee Little League baseball field in Ridgecrest.

There is a \$1 donation for admission to the game, the purpose of which is to raise funds needed to help meet the traveling expenses of Little League all-star teams from China Lake and Ridgecrest which will be entered in area and district tournaments during the latter part of July.

All Little League fans are invited to attend tomorrow night's game and cheer for their favorite team.

Little League...

(Continued on Page 7)

The Pirates in their 13-12 win over the Royals. Results of other Minor Division games were: Indians 12, Astros 2, and the Cardinals and Pirates played to a 12-12 tie.

The first half of the season in the Farm Division of the China Lake Little League ended last week with the Cubs, who have won 5 games and tied 1, in first place.

The Cubs clinched the first half title last week by slipping past the Expos, 8-7, and knocking off the Reds, 15-9. Between them, Kyle Blecha and Hody Wells tallied 5 of the Cubs 8 runs in their 8-7 win over the Expos.

In other Farm Division games, the results were: Reds 22, Padres 20; Angels 35, Red Sox 10; Padres 16, Mets 10; Angels 26, Mets 10, and Expos 17, Red Sox 17 (tie).

Cagers clash...

(Continued on Page 6)

enabled them to reduce their opponents' lead to just 4 points (51-47) with most of the fourth quarter still left to play, but the green squad then picked up its scoring cadence and went on to win by a final margin of 68-57.

Flournoy, the game's high point man with 19 for the greens, was closely followed by teammate Bill Campbell, who scored 18, and Nathan added 12.

Art Oestreich led the whites with 12 points, Benny Vick had 9, and three players — Mike Breeden, Mike Graham and Ed Kurfman tallied 7 points in a losing effort for the whites.

Alumni football...

(Continued from Page 6)

side of the field, cut back across the grain, to cover the remaining distance to the goal line untouched. An attempt to run the ball over for 2 points after the touchdown failed, and the final points of the Green team's 21-12 win over the Whites were on the scoreboard.

Flag Day ceremony held at Ridgecrest Elks Lodge

About 150 local citizens paused last week to pay homage to the Nation's flag by attending the annual Ridgecrest Elks Lodge Flag Day program and pageant commemorating the 201st anniversary of the adoption of the American flag.

The impressive ceremonies began about 6:30 p.m. June 14 when a color guard composed of members of the NWC Sea Cadet Squadron posted the colors.

Principal speaker for the occasion was Lt. Col. Ben Adams of the Naval Weapons Center's Marine Corps Liaison Office, who told the assemblage that those present were in less need of a reminder of what the American flag stands for than "those who had not paused at all in their own lives to mark this anniversary of the most beautiful national emblem on this planet."

Prior to Lt. Col. Adams' address, the lodge's Exalted Ruler, John Rolof, introduced the local veterans' and fraternal organizations which participated in the ceremony.

Other Participants

Representatives of these groups then paraded their colors into the lodge. They were the Desert Oasis Lodge No. 491 of the Independent Order of Odd Fellows and its auxiliary, Desert Primrose-Rebekah Lodge No. 412; Fleet Reserve Association Branch 95; Veterans of Foreign Wars, Lloyd E. Frost Ship 4084, and its auxiliary; and American Legion Post No. 684 and its auxiliary.

Local Eagle Scouts then presented replicas of American flags that have flown from the Revolutionary War through the War of 1812 as Past Exalted Ruler Fred Whitnak narrated an account of the history of the American flag.

Other events during the Flag Day ceremonies included the presentation of a flag which has flown over the Nation's Capitol in Washington, a floral liberty bell ceremony conducted by Elks Lodge officers and a flag burning ceremony, during which old, worn out flags were burned.

Drill Teams Perform

The NWC Drill Team and the Desert Sun Drill Team also presented exhibitions of their marching and arms handling skills.

The lawn in front of the lodge hall at 201 E. Church St., Ridgecrest, was lined with American flags slapping crisply in the light evening breeze.

Following the presentation of the former Capitol flag, ceremonies moved outside the lodge building where Jim Donathan, a past captain of VFW Ship 4084, and the Eagle Scouts burned the old flags as a bugler played "Taps."

Exalted Ruler Rolof noted earlier during the program that the pageant is observed nation-wide by all lodges in the organization and that it is appropriate that the Elks, "a distinctively American" group, should



HISTORICAL PAGEANT — Historical American flags are posted by Eagle Scouts after being paraded into the Elks Lodge hall in Ridgecrest during Flag Day ceremonies. During the pageant, Fred Whitnak, a past master of the lodge, read a historical narrative. —Photo by Ron Allen

conduct such an observance.

Past Exalted Ruler Whitnak said that the Elks are "the first and only fraternal organization" to require observance nationwide of Flag Day.

Flags paraded during his historical narrative were the Pine Tree flag, the Snake Flag, and the St. Andrews/St.

and died to support or preserve the concept of liberty under law — perhaps the highest single aspiration of man," Lt. Col. Adams noted.

In answering the question "Is patriotism passe?" he said "My answer is 'No'.

"Despite some outward appearance" he said that he believes most Americans are deeply moved when they pause to remember times in U.S. history during which the American flag has flown on momentous occasions.

"Our flag stands for national ideals and principles, something to live up to, not something to live in spite of — though some of our citizens seem to imply such a necessity by their actions.

"The principles upon which this great nation is founded and the magnificent heritage we, the present generation, own have been given substance by the works of those who preceded us," Lt. Col. Adams said.

He concluded by noting: "Maybe our task should be to encourage others to care more about something they are now taking for granted — their precious personal freedom."



Lt. Col. Ben Adams, USMC
Principal Speaker

George Cross and Bars flag, the Betsy Ross Stars and Bars flag, and the 15-star flag that flew over Fort McHenry the night Francis Scott Key wrote the poem "The Star Spangled Banner."

In a ceremonial response, Past Exalted Ruler Don Davis observed that the price this nation must pay for peace is eternal vigilance and that the liberty which is enjoyed by U. S. citizens was purchased and repurchased during repeated wars to preserve freedom.

"The Stars and Stripes," Davis said, "is the symbol of true world unity."

In his principal address of the evening, Lt. Col. Adams said that in tracing the history of the American flag he discovered that its origins go back to the time of Moses.

He explained that in front of the Ark of the Covenant within the Tabernacle was a table with a cloth of red, white and blue; among other attributes, the red stood for courage, the white for purity and the blue for loyalty.

"The symbolism of each of the colors of our flag remains the same today as it was thousands of years ago in the Holy Land," he said.

"Our flag represents a history highlighted by many occasions when Americans fought

New books listed at NWC library

A complete list of new books is available in the NWC library. Library hours are Tuesday thru Friday: 1-9 p.m.; Saturday: 12-6 p.m.

Centerites are reminded that all employees or military personnel, regardless of their place of residence, are welcome to use the NWC library.

FICTION

William F. Buckley — Stained Glass.
Mary Higgins Clark — A Stranger Is Watching.
Stephen R. Donaldson — The Chronicles of Thomas Covenant the Unbeliever; v. 1: Lord Paul's Bane.
Beth Holmes — The Whipping Boy.
George R. R. Martin — Dying of the Light.
Russell Rhodes — The Styx Complex.

NON-FICTION

Wayne W. Dyer — Pulling Your Own Strings; Enjoy Life Without Manipulation.
Selma Greenberg — Right From the Start; Non-Sexist Child Rearing.
Robert Jewett — American Monomyth; An Entertaining Look at American Popular Culture.
Richard Mark Martin — Mammals of the Ocean.
Frank Snapp — Decent Interval.
Richard G. Stein — Architecture and Energy; Conserving Energy Through Rational Design.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

Rear Admiral William L. Harris
NWC Commander

R. M. Hillier
Technical Director

Dr. Robert H. Pearson
Head,
Technical Information Department

Don R. Yockey
Editor

Dan Tikalsky
Associate Editor

Ron Allen
Staff Photographer



DEADLINES

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

The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003.

Phones 3354, 3355, 2347



Raiders retain lead in men's fast pitch div. softball play

The Ridgecrest Raiders, who last week had to suffer the misfortune of a forfeit loss, are still the front runners in the men's fast pitch division of the China Lake Intramural Softball League.

Scheduled to play two games last week, the Raiders polished off the Fisher Plastering nine, 5-2, but then forfeited to Nelson Auto in a second game.

Despite the latter loss, the Raiders, with a record of 8-4, finished the week with a two-game lead over the Navy Hawks. The Hawks, who have a .500 mark of 6-6, won both their games last week by scores of 12-7 and 8-5 over Nelson Auto and Fisher Plastering, respectively.

Two teams, the Merchants and Time Out, were tied for the lead at the end of last week's play in the women's division with identical records of 6 wins, no losses and 1 tie.

A 25-12 win by Time Out over Frisbee enabled the Time Outs to grab a share of the division lead during a week in which the Merchants were idle.

Scores of other women's division games were: Flower Shop 23, Charlie Brown, 15; JD's 21, Frisbee 10, and CSC 10, Charlie Brown, 7.

The Homestead and Zephyrs, with 9- and 8-game win streaks to their credit, continued to set the pace last week in the men's slow pitch National and American divisions.

The Homesteaders have a firm hold on first place in the National division, but in the American division, the Knights (7-2) and the Blacksheep (6-3) are still within striking distance of the Zephyrs.

During men's slow pitch softball games played last week, the Homestead team edged Bird Olds, 18-16; the Zephyrs blasted the NWC O's, 12-2, and the Knights racked up a pair of wins by scores of 7-3 and 16-6 over Sports Etc. and the Rat Pack, respectively.

Scores of other games were: Bird Olds 17, Rat Pack 16; Marauders 15, VX-5, 6; Blacksheep 16, Marauders 6; and Sports Etc. 24, CSC, 8.

Yankees repeat as champs of China Lake Little League Major Division

For the second year in a row, the Yankees are the undisputed champions of the China Lake Little League's Major Division.

With the final week of play not yet included in the Major Division standings, the Yankees, whose two wins last week gave them a 6-0 record for the second half of the season, have clinched the title.

During last week's competition in the Major Division, the Yanks clubbed the Wildcats, 17-2, and shut out the Giants, 7-0. Steve Vie and Tracey Gates each pitched three innings of no-hit ball in the Yankees win over the Wildcats, while Dave Killoran, John Andrews and Danny Means scored 3 runs apiece to lead their team to a lopsided win.

Against the Giants, Danny Means hurled a perfect game — no hits, no runs, and no walks.

Results of other games played last week in the Major Division were: Giants 7, Dodgers 4; Tigers 22, Wildcats 7, and Tigers 3, Dodgers 0.

Two teams, the White Sox and the Royals, were tied for the lead at the end of last week's play in the China Lake Little League's Minor Division. Both have

Green-clad team wins BHS alumni football game, 21-12

Burroughs High School gridiron performers of former years clashed last Saturday afternoon in the second annual alumni football game, which was staged as part of a weekend effort to raise money for the BHS stadium improvement fund.

The green-clad team, composed of players who had graduated in even-number years, rolled up a 21-0 halftime lead, and then held off a second half rally by the white-jerseyed squad (graduates of odd-number years) to win by a final score of 21-12.

Quarterback Les Basemore piloted the "Green" team to a first period score — capping off a 60-yd. drive with a pass to Larry Haack, an end, on a play that covered 27 yds. An earlier pass completion from Basemore to Ed Paine gave the "Greens" a first down on their opponents' 27-yd. line.

The try for the point after touchdown was good on a kick by Mike Pangle, and it was Green 7, White 0 at the end of the first period of play.

Fumble Near Goal Line
Early in the second quarter, the Green team threatened to score again, but lost the ball as the result of a fumble on the White 10-yd. line.

A few plays later, following a fourth down punt by the White team that carried out to the Green 46-yd. line, Quarterback Basemore again struck through the air for the game's second tally.

Speedy halfback Mark McDowell was on the receiving end of a short pass from Basemore and, with a blocker ahead of him to take care of the safetyman for the Whites, rambled 45 yds. to paydirt. This time the try for the PAT went awry, leaving the score at 13-0 in favor of the Green team.

Before the halftime intermission, the Green team put together a 67-yd. scoring drive that was highlighted by a left end sweep by McDowell, who gained 33 yds. and picked up a first down on the White team's 15 yd. line.

Green Team Increases Lead
With 1½ min. left to play in the half, a fourth down pass from Basemore to Louis Pelupessy, halfback for the Green squad, was complete in the end zone for a touchdown. The Greens then faked a kick for the PAT and Paine passed to Gary Charlon, fullback, for 2 points.

A twisting run by Pelupessy after catching a pass from Quarterback Basemore nearly resulted in another tally for the Green team in the third quarter, but Pelupessy couldn't hang onto the ball as he was battling for the last few yards for a score and fumbled the ball into the end zone where it was recovered by a player for the White-clad team.

Later in the third period, the White team recovered a fumble on the Green 32 yd. line

identical records of 3-1 for the second half of the season.

White Sox victories last week came at the expense of the Indians and Astros by scores of 8-6 and 15-7, respectively, while the Royals edged the Cardinals, 13-11, but lost a tough one to the Pirates by a final tally of 13-12.

In the Royals 13-11 win over the Cardinals, Glenn Dorgan scored 4 runs and Tod

A game to decide the inter-city Little League championship will be played next Wednesday, June 28, starting at 7 p.m. at the Kerr-McGee Little League baseball field in Ridgecrest. The Yankees, champions of the Major Division of the China Lake Little League, will tangle with their counterparts — the Ridgecrest Dodgers.

Marsh added 3 more tallies. The Cards were led by Pete Aguon, who had 4 hits, including 2 doubles, in 4 times at bat and scored 2 runs.

Three runs each by Bobby Black, Brian Lloyd and Rusty Donning aided and abetted

on a play that set the stage for the Whites' first tally of the game. Faced with a fourth down and 4 to go for a first down, Quarterback Rick Jaramillo found his receivers covered and scrambled for a first down on the Green 13 yd. line.

Two plays later, Jaramillo fired a pass to Mike Bachman in the end zone for a touchdown. A pass play for the PAT was broken up, however, and the score remained 21-6 in favor of the Green team.

There was no further scoring until the fourth quarter, but the White team did get as close as the Green 12 yd. line before



GET THAT BALL! — Tom Chapman (in white) under the basket and Tom Klein (No. 34) leap high for a rebound in the alumni basketball game between teams composed of pre-1972 graduates of Burroughs High School. Other players for the White team, which won the game, 69-58, are Al Sorenson (No. 44) and Scott Shacklett (No. 22). — Photo by Ron Allen

BHS grads match playing skills in two alumni basketball games

Four teams of former Burroughs High School basketball players — two each composed of graduates of the years prior to 1972 and two others who received their diplomas after 1972 — clashed in a pair of alumni basketball games last Friday night at the BHS gym.

In the first game for the "oldsters," the team in white uniforms (graduates of odd-numbered years) overcame a first quarter 18-14 lead by the green squad, and went on to win by a final tally of 69-58.

The white team finished the game with five players in the double-figure scoring column, including Robert Carter, who was singled out as the "most valuable player." Carter, Tom Chapman and Al Sorenson all had 13 points each; Scott Shacklett was the game's high point man with 15, and Duke Martin chipped in 12.

For the green (even-number year graduates) team, Randy Jaramillo sparked a first quarter offense by chalking up 8 points which enabled the green squad to get an 18-14 jump on the whites. Jaramillo finished the game with 16 points — high for the green team.

Other leading scorers for the greens were John Martin and Gordon Irvin, with 9 points each, and Greg Ritchie, who tallied 8.

After a slow start in the first quarter, the whites picked up the scoring pace and held a 36-28 lead at halftime which they increased to 49-36 at the three-quarter mark in the game. Improving on offense as the game progressed, both teams had their highest point total (20 for the whites and 18 for the greens) in the final period, which ended with the white squad out in front, 69-58.

The green team (players who graduated

having to give up the ball. Big play in this drive from midfield was a pass from Jaramillo to James Lewis, an end, who was hauled down on the Green 21 yd. line after a gain of 29 yds.

Just 2½ min. remained to play in the game when a kick by the Green team that carried out only as far as the Greens' 32 yd. line put the Whites once again in scoring position.

This team, the White team was up to the task. Jaramillo hit Steve Cordle on a screen pass play and Cordle, who was on the left

(Continued on Page 7)

Special events conclude 1978 Navy Relief fund drive

As a climax to the annual Navy Relief Society Fund drive at the Naval Weapons Center, Airman Apprentice Sherry Cundiff, a VX-5 plane captain, was announced as winner of the "Ms. Navy Relief" contest last Friday.

AA Cundiff, the top vote-getter in the contest, received a \$100 U.S. Savings Bond, a dozen roses from the Mayfair Florists, and a gift certificate from Mary Sue's Shop in Ridgecrest.

First runner-up for the title was Airman Cynthia Dawson, followed by Airman Korrine Bierman and Hospitalman Cheryl Gros.

This year's Navy Relief Society fund drive netted more than \$6,300 with the principal amount coming from the Ms. Navy Relief contest, LCdr. Marvin McWherter, the local fund drive chairman, reported.

Each dollar donated in the name of a candidate counted as one vote for her. LCdr. McWherter said that each of the three women had a wide base of support and that it was a close race.

The contest winner was announced at the conclusion of a slow pitch softball game Friday afternoon between NWC and VX-5. NWC won the contest four innings to three.

Just before the game began, 25 runners who participated in the Navy Relief "Fun Run" marathon relay from Kernville to China Lake charged onto the field. Organizers of the event — Lt. John Everson



AA Sherry Cundiff and PN1 Sam Thompson — presented Capt. F. H. M. Kinley, NWC Vice Commander, with a check for \$687.50.

The money was raised by Lt. Everson and PN1 Thompson from Indian Wells Valley merchants and private parties who supported individual runners in the relay.

The sum represented more than twice the \$5 per mile figure for the 60-mile route, which was the original goal of the "Fun Run" organizers.

A donation of \$1,500 was presented to LCdr. McWherter early in the drive by the Women's Auxiliary of the Commissioned Officers' Mess as the Navy Relief Society's share of profits from the operation of the

Use of fireworks banned on Center

With the Fourth of July holiday fast approaching, this timely reminder has been issued by the NWC Safety and Security Department.

The use of fireworks by individuals anywhere on the Naval Weapons Center is prohibited. This requirement exists even though the City of Ridgecrest has authorized and has permitted the sale and use of fireworks within the city limits.

Consequently, all China Lakers are advised that (in conformance with OPNAV 11320.15 and Section 4045 of the Kern County Fire Regulations) the sale, storage or use of fireworks on the Center is not permitted.

The only exception to this regulation is that sparklers may be ignited when youngsters are under the personal supervision of an adult.



HIP, HIP HOORAY — Shipmates from VX-5 carry AA Sherry Cundiff on their shoulders after she was named winner of the Ms. Navy Relief contest. She is a VX-5 plane captain, and her mentors are members of the VX-5 slow pitch softball team that was earlier defeated by NWC at Schoeffel Field. —Photos by Ron Allen

WACOM-sponsored Thrift Shop.

LCdr. McWherter said that the \$6,300 was much more than expected since this year's drive was conducted without any prizes being given away and on a strictly one-to-one basis by key personnel in each department on the Center.

Local merchants supported this year's drive in many ways, LCdr. McWherter pointed out. It was through their efforts that the "Fun Run" was a success and prizes could be awarded to the Ms. Navy Relief contestants.

The \$100 Savings Bond received by AA Cundiff, as well as the \$50 bond awarded to the first runner-up and the \$25 bonds given to the other two contestants were donated by the NWC Federal Credit Union and the local branches of the Security-Pacific Bank and the First Federal Savings and Loan Association.

Other Gifts Presented

In addition to the gift to AA Cundiff from Mary Sue's Shop and Mayfair Florists, a bouquet for AN Dawson was furnished by the Flower Shoppe, and Anita's Dress Shop gave her a gift certificate. AN Bierman received a gift certificate from the Wildflower clothing store.

RAdm. William L. Harris, NWC Commander, made the presentation to Ms. Navy Relief and her first runner-up and Capt. Kinley gave the awards to the second and third runners-up. The ceremony took place at Schoeffel Field.

The slow pitch softball game that preceded the ceremony was described by LCdr. McWherter as more entertainment than athletic contest. The game was governed by a set of complex "rules," one of which permitted fielders to "use gloves, peach baskets, butterfly nets or any other equipment in snaring the ball."

The seven-inning game was a match play with each inning counting as a match. A team was restricted to just 10 runs per inning, with the match called a draw if a team scored more than the maximum allowed number of runs.

Extra Special Rule
No base runner was permitted to "depart 2nd base for 3rd base unless he downed 'the cup' provided by the 'keeper of the keg' poured from 'the mug,'" according to the rules.

LCdr. McWherter said the game was characterized by little offense on the part of either team and "lack-luster" hitting. "In fact, nobody really did anything but have fun," he said.

The fund drive's goal this year was 100 percent participation by NWC military personnel, and LCdr. McWherter congratulated the following departments that either met the goal or came within 75 percent of it.

The Weapons Planning Group, the Technical Information Department, Supply Department, the Electronic Warfare Department, the Research Department, the Weapons Department, the Range Depart-

ment, the Branch Dental Clinic, the Commissary Store, the Navy Exchange, VX-5 and the Command Staff.

The Laboratory Directorate, the Military Administration Department and the Branch Medical Clinic all scored 100 percent civilian employee participation, but fell short when it came to military contributors.

Merchants and businesses contributing to the "Fun Run" were Computer Sciences



"FUN RUN" CHECK PRESENTED — Organizers of the Navy Relief "Fun Run" marathon relay, PN1 Sam Thompson (left) and Lt. John Everson, present a check for \$687.50 to Capt. F. H. M. Kinley, NWC Vice Commander. The money was raised in support of runners who participated in the 60-mile relay from Kernville to China Lake.

Corp., COMARCO, Desert Motors, SCI, Texas Instruments, Hildreth Motors, Aerosmith Tool, Bud Eyre Chevrolet, Bird Oldsmobile, Sports Etc., Todd's Mountaineering, Underwood Auto, Victory Market, Coast to Coast Hardware, Joim's Pizza, Sport's Furniture, Thrifty Drug, Desert Sport Cycles, Desert Honda, Continental Graphics, MacDonald's, Der Wienerschnitzel, Carl's Jr., Car Parts, Ridgecrest Cleaners and Deboni's Ice Cream Parlor.

Members of the board of directors of the IWV TV Booster, Inc., were aware of the poor reception of TV Channel 13, but had to wait for the arrival of equipment that was shipped here from Philadelphia before the problem could be remedied.

EPA test to end...

(Continued from Page 1)
buildings throughout the Center. Placed nearby, however, were appropriately identified green and white 55 gallon drums for use in collecting the aluminum cans in order that they could be recycled.

For the immediate future, these metal drums will remain in place and purchasers are asked to continue using them for the purpose intended while the Employee Services Board explores with the Navy Exchange the possibility of taking over the job of emptying the drums and transporting the aluminum cans to the recycling center located off Richmond Rd. at Santee St.

Bluejacket...

(Continued from Page 1)
active in that organization ever since he took up flying two years ago. He obtained his private pilot's license last December. While at China Lake, he also attended courses in scuba diving and has obtained diving certifications from the National Association of Underwater Instructors and the Professional Association of Diving Instructors.

After duty hours, PN1 Thompson teaches martial arts, an activity which captured his interest in college. He holds a second degree black belt in Shorinjji Kempo, a form of Japanese martial arts with emphasis on mental attitude rather than physical exhibitionism.

"To me, breaking bricks is obscene," he said. "I have other things I enjoy doing with my hands."

These include free-hand water color painting and ink sketching, sculpturing in clay and building models of ships and aircraft.

Teaches Self Defense Class
PN1 Thompson is presently conducting classes in Jeet Kune Do, a form of free-style self defense.

In his spare time, he also serves as field judge or head linesman for high school football games and as a high school basketball referee or umpire.

PN1 Thompson enlisted in the Navy in September 1971 and attended Personnelman "A" School at the San Diego Naval Training Center. He then served aboard the destroyer USS Shelton and saw action off the coast of North and South Vietnam.

Most Recent Assignment
Next, he was assigned to the destroyer escort USS O'Callahan before reporting to the Naval Weapons Center in February, 1975.

He has applied for Explosive Ordnance Disposal training and has passed all of the physical requirements for that appointment. He is now awaiting final disposition of his request.

PN1 Thompson is engaged to Deann Petty of Ridgecrest and they plan to be married on July 1.

For winning the coveted Bluejacket of the Month award, he will receive a weekend, expense-paid trip to Bakersfield sponsored by Jack Davenport, owner of Davenport Office Equipment Co. in Bakersfield, and the loan of a new Ford from Desert Motors for the roundtrip.

Filters installed to improve reception of TV Channel 13

Interference problems on TV Channel 13 have been cleared up noticeably as the result of filters that were installed last weekend at the Indian Wells Valley TV booster installation on Laurel Mt.

The work was done by Jim Rieger, an electronics engineer in Code 6243, and Curtis Carroll, an engineer from Radio Station KLOA in Ridgecrest.

Members of the board of directors of the IWV TV Booster, Inc., were aware of the poor reception of TV Channel 13, but had to wait for the arrival of equipment that was shipped here from Philadelphia before the problem could be remedied.

At the same time that Rieger and Carroll were at Laurel Mt. last weekend, they also turned up the power on FM Radio Station KOST in order to improve the reception of this all-music station in Los Angeles.

Regular maintenance work and the handling of special problems related to the operation of the Indian Wells Valley TV FM radio booster system are made possible by local area residents' contributions of membership fees of \$5 per person or \$10 per household.

Persons who benefit from the local TV and FM radio booster system and wish to contribute to its support can do so by sending a check made payable to "TV Booster" to the IWV TV Booster, Inc., P.O. Box 562, Ridgecrest, CA 93555.



REMODELING JOB — Workers tar the roof on the old NWC Dispensary building, which is being refurbished to accommodate employees of the Technical Information Department. Remodeling of three of the building's wings is scheduled for completion in late August. The first group of 60 TID employees is slated to move in during September.

Old Dispensary being remodeled for use by Technical Information Dep't employees

Work on the remodeling of three wings of the old Naval Weapons Center Dispensary is 60 percent complete, and the building is scheduled for occupancy by employees of the Technical Information Department in September.

The \$539,588 remodeling contract was awarded to the Stevens Company of Lancaster, Calif. The contract is for changes to the building's electrical, plumbing and air conditioning systems; repairs to floors, walls, ceilings and the roof; and the

removal and addition of internal walls, as well as for repainting the structure both inside and out.

Following completion of the work in late September, 60 employees in the Technical Information Department who are presently located in nine different areas aboard the Center will move into the building.

At a later date, after the remainder of the building is rehabilitated, 30 more TID employees will move into the structure from three other areas.

New-type uniforms available to Fleet EMs below 2nd class

The Chief of Naval Operations has announced that all Navy men E-1 through E-4 who are attached to Fleet units are now authorized to purchase and wear the service dress blue jumper uniform. The Fleet evaluation program for the uniform began in May.

Shore-based personnel and reservists will be able to purchase and wear the uniform beginning in August as more uniforms become available. The new uniform, available in the dress blue version only, initially can be purchased through the Norfolk and San Diego Navy Exchanges or through the Navy Exchange mail order system. Eventually the jumper uniform will be available in all Navy Exchanges.

The uniform will be manufactured of the 15 oz. blue serge material currently used in the winter weight service dress blue uniforms. The white hat will be of polyester blend. Rating badges and service stripes will continue to be the current all-embroidered style.

Wearing of jumper style uniforms made of melton or any other material will not be authorized. Personnel should insure that garments purchased are certified for wear according to Navy specifications. Uniform manufacturers upon their request will be certified by the Navy to produce the authorized uniform.

The uniform will be prescribed for all occasions where service dress blue is worn, including liberty purposes. Manner of wear shall be as directed in U.S. Navy uniform regulations.

Annual meeting set by East Kern County Chapter of ASPA

The annual dinner meeting of the East Kern County Chapter of the American Society for Public Administration (ASPA) will be held next Thursday, June 29, at 7 p.m. at the Commissioned Officers' Mess.

Featured speaker for this event, which is being co-sponsored by the Ridgecrest Chamber of Commerce, will be Dr. Allen C. Haile, who is the principal representative for the U.S. Secretary of Commerce for Region IX—a four-state area that includes California, Arizona, Nevada and Hawaii.

In addition, Dr. Haile, who is on a sabbatical leave from his job as an associate professor of public administration at Golden Gate University in San Francisco, is a member of the National Council of ASPA.

Subject of Talk

Dr. Haile will discuss "Carter Administration Strategies for Economic Development," and will respond to questions relating to such Department of Commerce interests as the Economic Development Administration (which makes grants to local governments under the public works employment program); minority business enterprise; science and technology matters that come under the cognizance of the National Bureau of Standards, and the effects of Proposition 13.

A social hour will precede dinner at 7 p.m. in the Mojave Room of the COM, and there will be a brief ASPA business meeting for the purpose of introducing newly elected officers prior to the talk by Dr. Haile.

A full course steamboat round of beef dinner will be served. Tickets, priced at \$6 each for ASPA and Ridgecrest C of C members (or \$6.50 for non-members), can be ordered no later than Tuesday by calling June Graham, NWC ext. 2626; Linda Roush, NWC ext. 2574; Natalie Harrison, NWC, ext. 3481, or Audrey Nelson at 375-8331.

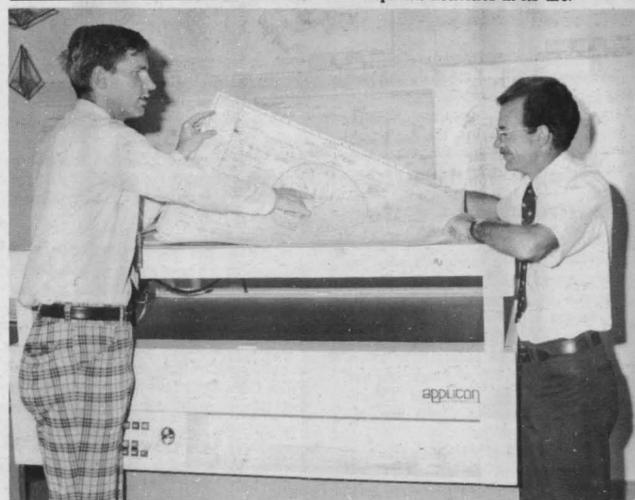
Time-saver...

(Continued from Page 1)

Program, the Phoenix fuze and Sidewinder. A fifth terminal is being installed by the Fuze Department in connection with the Phoenix program.

All drawings on the Phoenix missile fuze are being placed into the Center's Interactive Graphics System. When programming is complete, it will be the first time that everything on a major NWC product has been placed into computer storage.

Although systems similar to IGS have been used in private industry for several years, NWC is leading Navy research and development activities in its use.



HIGH SPEED PLOTTER — Jack Anderson (right), a Computer Services Branch general engineer, and Dale Christensen, a Code 3941 mechanical engineer, check a complex engineering design drawing that was reproduced by the Interactive Graphics System's high-speed plotter. After a design has been completed at the system's console, the plotter can turn out a finished drawing in a fraction of the time required by conventional methods. The computer also stores the data necessary to reproduce additional copies when they are needed.

accepted. The position is located in the Warhead Development Branch, Conventional Weapons Division, Ordnance Systems Department. The incumbent assists the project engineer for the Tomahawk Anti-Ship Missile Reactive Warhead in design, test planning, scheduling, and coordination with contractor and program office. Responsible for all project documentation, financial planning, monitoring, and reporting. Assists in liaison with support groups and facilities, both on Center and at other activities. Occasionally represents NWC at program reviews and progress-and-planning meetings. Job Relevant Criteria: Knowledge of warhead design; demonstrated ability to plan and coordinate R&D projects; knowledge of engineering documentation and reporting techniques and requirements.

File applications for above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2393.

Aerospace Engineer, Mechanical Engineer, General Engineer, GS-841/803/801-9/11/12, PD No. 7545071E, Code 6211 — This position is located in the Ballistics Test Branch of the Range Department. The incumbent conducts tests on experimental and developmental weapons, including rocket motors, warheads, and ordnance related hardware. Incumbent will act as a firing officer and will plan, supervise, and conduct field tests at Skytop or the Area R test facilities. Also, the incumbent designs and develops special test equipment and techniques. Job Relevant Criteria: Experience with ordnance systems and/or test techniques; ability to work effectively with personnel of various technical disciplines and skill levels.

Clerk-Typist, GS-322-4, PD No. 7609021N, Code 094 — This position is located in the Personnel and Organization Development Division of the Personnel Department. The duties are that of clerical support to the division head, equipment and facility scheduling and maintenance, coordination of TRIM inputs, resource library maintenance and maintenance of division supplies. Job Relevant Criteria: Ability to work independently; ability to work under pressure to meet deadlines; ability to deal effectively with people; ability to comprehend and apply regulations; familiarity with the Training Information Management System.

File applications for the above position with Jan Niebertlein, Bldg. 34, Rm. 204, Ph. 2577.

Class in no-fault management slated at Training Center

A course in No-Fault Management (or, how to stop blaming and start helping subordinates to improve their job performance) will be held from 8 a.m. to 4:30 p.m. on July 25 and 26 in Rm. 212 of the Training Center.

The course's objective is to improve managers' and supervisors' skills in developing employees' job performance. It will deal with counterproductive actions, feedback and options when dealing with subordinates.

For those interested in attending this course, a training request and authorization form must be submitted via proper department channels in time for it to reach Code 094 no later than July 11.

Promotional Opportunities . . .

(Continued from Page 2)

notes and reports, forms, correspondence, interoffice memoranda, etc.; receiving telephone and office calls; receiving and distributing branch mail, maintaining supervisor's calendar, making travel arrangements. Job Relevant Criteria: Ability to type efficiently and accurately; reliability and dependability; ability to meet deadlines under pressure; telephone answering skills. Applications will be accepted from status eligibles.

Electronics Engineer/Physicist GS-855/1310-12, PD No. 7831056, Code 3144 — This position is located in the Aircraft Weapon Control Systems Branch, Avionics Division, Systems Development Department. The incumbent performs systems engineering and technical coordination of the Stores Management System (SMS), development effort within the Advanced Aircraft Armament Systems (AAAS) program. The incumbent is responsible for the technical aspects of hardware fabrication, software development, integration and checkout of the advanced SMS models. Job Relevant Criteria: Knowledge of digital computer systems and software; knowledge of aircraft avionics and armament systems; ability to perform cost effective analyses. Applications accepted from status eligibles.

Electronics Engineer, GS-855-12, PD No. 7831046, Code 3144 — This position is located in the Aircraft Weapon Control Systems Branch, Avionics Division, Systems Development Department. The incumbent of this position is responsible for design, development, test and evaluation of modifications to the A-7E Aircraft Navigation and Weapon Delivery System. This includes conducting system analyses, performing system interface design, developing software programs, investigating operational problems, planning and conducting tests, and documenting results. Job Relevant Criteria: Knowledge of avionics weapons systems; knowledge of analog and digital electronic systems; knowledge of computer programming and debugging.

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

Mechanical Engineer, GS-830-12, PD No. 7545098E, Code 3261 — This position is located in the Warhead Development Branch, Conventional Weapons Division, Ordnance Systems Department. This incumbent prepares project proposals, technical development plans and budgetary information, maintaining proper manpower and cost management throughout each work unit assignment. Responsible for directing or conducting analytical studies to investigate the utility and desirability of proposed concepts. Responsible for correct mathematical characterization, within the limits of current modeling techniques. Designs experiments to obtain data used to ascertain and predict concept performance. Prepares formal technical publications and presentations, and maintains liaison with project sponsors and supporting activities. Job Relevant Criteria: Knowledge of warhead design principles; demonstrated ability to plan and coordinate engineering projects, including budgetary aspects; knowledge of current mathematical modeling techniques; ability to communicate clearly and concisely, both orally and in writing.



SEABEES QUALIFY ON RIFLE RANGE — In preparation for two weeks of active duty training, which is coming during the latter half of July, Seabee Reservists from China Lake (Co. D of Reserve Mobile Construction Battalion 17), recently completed M-16 rifle marksmanship qualification requirements. Firing at a circular target 200 yards away (both slow and rapid fire and in prone, seated and standing positions) all of the Seabee Reservists met or exceeded the scores necessary to qualify as rifle marksmen. Prior to going to the rifle firing range, which is located on the east side of "B" Mountain, the Seabee Reserves and some members of the NWC Sea Cadet Squadron received instruction on the maintenance and operation of the M-16 rifle from EOCN Billy Thornton and CE2 Marvin Windsor (shown in top photo). Several members of the Sea Cadets, who were firing the M-16 rifle for the first time, also posted scores high enough to meet the qualification requirements. —Photos by CM2 Jerry Morrison

Dr. James Whelan in charge of Geothermal Technology Branch

Dr. James Whelan, a former professor of geology at the University of Utah, has joined the staff of the Public Works Department's Geothermal Utilization Division as head of the Geothermal Technology Branch.

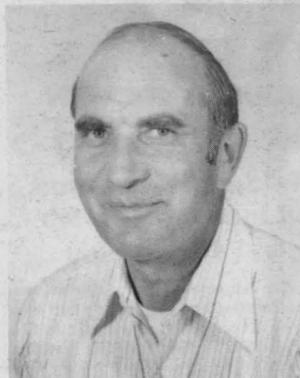
The main function of this branch is to handle the bulk of the Geothermal Utilization Division's field exploration work, which includes prospecting, exploration and geothermal area reservoir testing.

At the present time, there is on-going activity not only at the Naval Weapons Center's Coso geothermal area, but also at the Fallon Naval Air Station in Nevada, on Island of Adak in the Aleutians, and in the Hawaiian islands.

Dr. Whelan, who is a Civil Engineer Corps commander in the Naval Reserve, has a total of 28 years of Navy service, which includes between six and seven years of active duty.

Except for two years, from 1969 to 1971 when he was serving as deputy to the Officer-in-Charge-of-Construction in the Marianas Islands, (and was stationed on Guam) Dr. Whelan was a professor of geology at the University of Utah from 1958 until his recent move to NWC.

The new head of the Geothermal Technology Branch is no stranger to the China Lake area, however, since he served two weeks on active duty for training here in 1975; returned for another two weeks ACDTRA in 1976 and was extended for an additional three weeks on temporary active



Dr. James Whelan

duty; and, in 1977, was a Naval Weapons Center summer employee.

All of his prior work here, as well as that in which he is currently involved, has been with Dr. Carl Austin in the geothermal energy field.

Dr. Whelan is a 1949 graduate of the University of Minnesota, where he received a bachelor of mining engineering degree in 1949, a master of science degree in both mining and petroleum engineering in 1956, and a Ph.D. in economic geology in 1959.

Secretary of Navy to reward energy conservation efforts

In an effort to promote excellence in energy conservation and management within the Department of the Navy, the Secretary of the Navy will grant annually seven energy conservation awards to various ships, aircraft squadrons, and Navy and Marine Corps shore activities.

The awards will be presented for outstanding energy conservation and energy resource management accomplishments during the preceding fiscal year with the exception of the first award which will cover the period FY73 through FY77.

Specific recognition will be given for outstanding leadership in energy conservation matters, innovations in development of new equipment or modification of existing equipment to improve energy efficiency, as well as day-to-day operations, maintenance and housekeeping.

The seven classifications eligible for awards are large ships, small ships, aviation squadrons, large Navy shore activities, small Navy shore activities, Marine Corps activities, and naval industrial facilities.

Confidential course offered on drinking, emotional problems

An on-going course entitled "Sobriety / Freedom Training" is currently being conducted on Wednesdays from 7:30 to 9:30 p.m. in Rm. 103 of the Training Center for the benefit of NWC employees and military personnel.

Prospective participants may enroll and begin the course at any time by attending a session. All enrollments are strictly confidential, and prior approval by an individual's supervisor is not required for enrollment.

This course, which is conducted by Dr. David Stewart, an Employee Assistance Program counselor, covers such topics as the drinking pattern, loss of freedom through alcohol and drugs, and steps to take to gain freedom from addiction, as well as such obstacles to a productive life-style as anxiety, depression and loneliness.

Additional information can be obtained by calling Dr. Stewart at NWC ext. 2480 on Wednesday afternoons or throughout the work day on Thursdays.

Policy on retired employee gate passes clarified by Safety, Security Department

From information being received in the Safety and Security Department, it would appear that there is still some confusion regarding the issuance of passes to retired Civil Service employees that will afford them access to the Naval Weapons Center.

In order to recognize, in part, their long years of loyal service, as well as to facilitate their use of Center facilities and the visiting of friends and relatives, the Commander has authorized the issuance of an extended gate pass to retiring NWC Civil Service employees and their dependent spouses who will be maintaining residences in the Indian Wells Valley.

This pass will afford them ready access to the general business and community areas of the Center. It is intended and expected that it will be used only for the purposes issued.

Contrary to past procedures, it is no longer necessary to justify the reissue of expired passes. When a retiree's (or his or her dependent's) pass is about to expire, it is necessary only to come to the Visitor Center at the main gate and make application for a new one. The justification space need not be completed.

Further information regarding the issue and use of these passes by NWC retirees

may be obtained by calling the Visitor Center, Code 2412, at NWC ext. 3156.

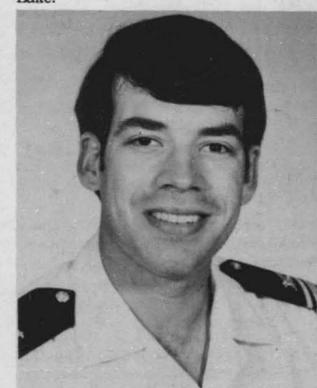
2 EEO classes for managers offered by Personnel Dep't.

The Personnel Department is offering two Equal Employment Opportunity courses next month. The first, "EEO for Managers and Supervisors I" fulfills the basic Civil Service EEO requirement, while the second, "EEO for Managers and Supervisors II," is a follow-on course.

Both courses will be taught from 7:45 until 11:30 a.m. in Rm. 205 of the Training Center with the first scheduled for July 19 and the second to be held on July 26.

Deadlines for filing applications to attend these courses is July 5 for the former and July 12 for the latter. "EEO I" is a prerequisite for "EEO II."

Employees interested in attending either of these courses must submit a training request and authorization form via proper department channels in time for it to reach Code 094 by July 5 for the July 19 class or by July 12 for the course to be offered on July 26.



Ltjg. Robert J. Boyd