Page Eight

Cast selected for CLOTA production, 'Dark of the Moon'

A cast of 30 persons has been selected by director Joyce Maltby for "Dark of the Moon," the Community Light Opera and Theater Association's first production of the year, which is scheduled for March 25-26 and April 1-2 at the Burroughs High School lecture center.

This play, a characterization based on the folk song entitled "The Ballad of Barbara Allen," stars Tom Lehman as the witch boy who wants to be human, and Melissa Russell in the title role of Barbara.

The witch boy takes his plea to a "Conjur Man" (Ed Romero), who refuses to change him into a human being. Upon overhearing their conversation, though, the Conjur Woman (Sally Erickson) accepts the challenge and grants him his wish, on the condition that he and Barbara marry and remain true to each other for a year.

Shortly after the witch boy's appearance in town, he visits the Allen farm to ask for Barbara's hand, Mr. Allen (Fred Stahlman) and his wife (Natalie Stone) agree to Barbara's acceptance of the unusual boy, and the couple are married by Preacher Haggler (William Altieri) in the general store.

The witch boy, although trying hard to be human, can never really forget his past because of two witches (Elena Vitale and Deanne Lotee), who constantly torment him. The destiny of the couple, however, ultimately rests with meddling townspeople who make up the remainder of the

They are Karen Altieri, Diderot Ausseresses, Curtis Barker, Jeneal Cobb, Pam Condos, Brian Dettling, Scott Effinger, Stephanie Halen, Russell Higgens, Anne, Becky and Melinda Maltby, Jon and Steve McArtor, Greg O'Guin, Mike Ripley, Kathy Schimpf, Rus Stedman, Galen and Pat White, and Denise Wehle.

Season tickets and patronages for CLOTA productions are on sale at the Importium in Ridgecrest.

Silent movies to be shown

A collection of silent movies will be shown at the Mindshaft Coffeehouse of Cerro Coso Community College tonight, beginning at 7 o'clock.

The movies will include such classics as "The Cabinet of Dr. Caligari," "Phantom of the Opera," and Charlie Chaplin in "The Tramp.'

Price of admission will be \$1.50 for the general public and \$1.25 for holders of student body cards.

ROCKETEER

MATURANGO MUSEUM BOOSTERS HONORED - At Monday night's annual meeting of Maturango Museum members and friends, mementos in the form of bighorn sheep plaques were presented to two of the directors whose terms of office have expired. They are Janet Westbrook (on left) and Dottie Freeman. Others who received Bicentennial medals in appreciation for their contribution to the museum's 1976 building fund drive are (back row, I.-r.) Carroll Evans, Mary Kay and Jay Bornfleth, Roberta Payne, Pat Leopard, who served as fund drive chairman, and Billie Hise. Other business which came up during the annual meeting included an election to fill three vacancies on the museum's board of directors. Those chosen were Mrs. Westbrook, Elizabeth Babcock and Dr. Robert -Photo by Ron Allen

Advance tickets on sale for Feb. 24 concerts by U.S. Navy Band worn out Burroughs band instruments as The advance sale of tickets is now in full

swing for matinee and evening concerts that will be presented by the United States Navy Band on Thursday, Feb. 24, at the Naval Weapons Center theater.

On tour, the band must be self-supporting and all proceeds beyond expenses will go to the Burros Band Boosters, sponsors of this

During the U.S. Navy Band's concert here on Feb. 24, ten Burroughs High School band students will be joining the visiting musicians for the playing of one number. They are Suzie Backman, Glenda Davis, Steve Faith, Brian Gravelle, Paul Hugo, Shane Kruk, Jennifer Lyons, Kathy Malone, Mary Porter and Hugh Washburn.

first local appearance by the U.S. Navy Band.

The sponsors hope to fill the Center theater to capacity and thereby bring in enough money to purchase a concert grand piano for use at the Burroughs High School lecture center and possibly replace some

Purchasers of patron and sponsor tickets for the concert, priced at \$25 and \$15, respectively, will receive two reserved seat tickets to the program on the evening of Feb. 24, and their names will be printed on the program. General admission tickets are

priced at \$3.50 for adults and \$2.50 for enlisted military personnel. The matinee performance, which is

scheduled at 1 p.m., is intended for local area music students, who will be admitted for \$1. In the event that not enough student tickets are sold to fill the theater, other tickets will be honored at this time also.

General admission tickets are being sold at the Station Pharmacy and in Ridgecrest at the Music Man, Senn's Coiffures, and Loewen's. In addition, they also can be obtained from the parents of music students, as well as from members of the Kiwanis Club and the Optimist Club.

Official recognition of the Washington Navy Yard Band as the permanent representative band of the U.S. Navy dates back to the inauguration of Calvin Coolidge as this country's 30th President on March 4,

Band Heard Nationwide

That same year, after numerous requests, the U.S. Navy Band made its first de the wasnington area. Since that time, the annual concert tour authorized by Congress and approved by the President, has made it possible for vast audiences around the country to enjoy the musical programs that are provided by their U. S. Navy Band.

In 1940, the American Bandmasters Association recognized the U.S. Navy Band as the outstanding band in America and bestowed upon it the now famed motto, "The World's Finest." No other military band has since been so honored.

Since then, the Navy Band has lived up to its elite reputation by pioneering the way in many aspects of military music. It was the first of the major service bands to establish a rock-soul band, enlisted the first woman as a performing musician, and produced the first country / bluegrass band as a major performing unit.

Over the years, the band has kept pace with the meteoric rise in popularity and variety of music. Today, the band's repertoire encompasses every type of music from that played for official state ceremonies to "down-home" country music.

MOVIE RATINGS The objective of the ratings is t inform parents about the suitability of movie content for viewing by their children (G) ALL AGES ADMITTED General Audiences

February 4, 1977

(PG) - ALL AGES ADMITTED Parental Guidance Suggested (R) - RESTRICTED Under 17 requires accompanying Parentor Adult Guardian

CS - Cinemascope STD - Standard Movie Screen Regular starting time-7:30 p.m.

Program subject to change without notice please check marquee.

4 FEBRUARY "SHOOT FIRST, DIE LATER" (97 Min.)

Richard Conte, Luc Merenda (Police Drama) Nick Mala (Conte) is a cop who bends the rules according to his own standards. he feels there has been an injustice, he will fight to right the wrong. But on the other hand, he will cooperate with people working outside the law if he can benefit from it monetarily. His living between two worlds soon catches up with him. Asked to interfere in an investigation being led against the syndicate, Nick aids the mob and is esponsible for the death of a witness — his father 5 FEBRUARY SAT.

TEX WILLIAMS

Country Western musical entertainment 7:30 p.m.

MON

7 FEBRUARY "DIXIE DYNAMITE" (89 Min.)

Jany Anne Johnstone, Kathy McHaley (Action Drama, Comedy) This is a comedy action spoof about two orphaned girls whose moonshiner father is killed as a result of a con spiracy between a crooked sheriff and the town's leading moonshiner, who is trying to corner the illegal liquor business. Joining up with their father's friend (Warren Oates), a motorcycle racer, they take their revenge by engaging in a robbery spree in a Robin Hood-like fashion. They turn over some of their loot to people who were victimized by the town's crooked bosses and complete their revenge by destroying the crooked moonshiner's stills and robbing his bank. (PG) 9 FEBRUARY WED.

"FUTUREWORLD" (107 Min.)

Blythe Danner, Peter Fonda (Fantasy Drama) This year's sequel to 1973's 'Westworld'' stars Fonda, a newspaper reporter and Danner, a video reporter and former girl friend of Fonda. This pair of investigative reporters stumble on a plan to turn world leaders nto brainwashed robots. The story cleverly recaps the earlier film by having a group of reporters attend a lecture at a newly furbished Wonderland resort, amid promises from project head Arthur Hill that the collapse at Westworld could never happen again. A combination of clever science-fiction storyline with special effects, including the use of the facilities of NASA Space Center in Houston, combines to form an entertaining movie which should appeal to all (PG) 11 FEBRUARY

FRI "BLOOD, SWEAT AND FEAR" (90 Min.)

Lee J. Cobb, Franco Gasparri (Action Drama) In the never ending cat and mouse game between law and disorder this film tells of a young narcotics cop (Gasparri) trying to break up a large drug ring in Milan. His hatred for pushers is intensified when several of his contacts are brutally murdered. A young girl trying to kick the drug habit befriends Gasparri and while he is trying to help her, she is caught by the mob and becomes a pawn for them. Out of desperation, Gasparri begins a relentless attack knowing in advance that he could be next. (PG) 12 FEBRUARY SAT.

"JACKSON COUNTY JAIL" (84 Min.)

Yvette Mimieux, Tommy Lee Jones (Action Drama) Mimieux, driving across country, befriends a young couple who steal her car and leave her stranded. When she asks for help at a near by bar, the owner tries to attack her. Then police arrive and escort her to jail when she can't produce identification. In jail she meets Tommy Jones, accused of murder. When she ignores the night guard, he later rapes her Mimieux, crazed by the attack, beats the guard with a stool. She and Jones flee, making their way to a deserted farmhouse where he urges her to go underground, (R)

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CERTIFICATES PRESENTED — As a way of saying "thank you" to various organizations that were especially helpful this past year in support of the Maturango Museum's building fund drive, certificates of appreciation were presented by Pat Leopard (at left), fund drive chairman. Recipients in attendance at the museum's annual meeting were (1.-r.) Lita Reid, of the Daily Independent newspaper; John Murray, of Radio Station KZIQ; and Robert Downing and Lyal Viers, who represented the Optimist and Kiwanis Clubs, respectively. Similar recognition also was given to Beta Sigma Phi sorority, the Exhange Club, and to The ROCKETEER. -Photo by Ron Allen



possible.

set point).

(b) Most larger buildings have a combined heating and cooling distribution system. Even during the winter months, enough internal heat is created (by lights, people and equipment such as computers) to require cooling during the day, while heating is needed at night. These systems can usually be identified by the fact that only one thermostat is used to maintain comfortable conditions year round. To set these thermostats at 65 degrees F. would cause an increase in electrical energy consumption, as the cooling equipment will (Continued on Page 2)

Black History Week will be observed locally this year from Feb. 6 to 12 - dates that were chosen to include Abraham Lincoln's birthday. Planning for the week's events was coordinated by the Naval Weapons Center Equal Employment Opportunity Office. A variety of activities is being planned in



All-out effort under way to conserve energy

In view of the current extensive winter weather affecting a large portion of the United States, together with the limited availability of natural gas throughout much of the country, and in support of President Jimmy Carter's energy conservation policy, the Department of Defense has asked that all DoD installations assist in the conservation of heating energy wherever

Federal guidelines for heating energy conservation are: office and laboratory space - 65 degrees F. during the working period with reduction to no more than 55 degrees F. at night and on weekends: warehouses and similar spaces - heating should not exceed 55 degrees F. at any time. Here at the Naval Weapons Center, there are two major factors that make it impractical or counter-productive to follow these recommendations fully. They are: (a) With only a few exceptions, the thermostats now in use to control heating equipment cannot be set below 60 degrees F. (many have 63 degrees F. as their lowest

Heating, Cooling Combined

Naval Weapons Center China Lake

February 4, 1977

Vol. XXXII, No. 5

Harzards of Smoking Explained2 Center Housing To Be Inspected4 200 Attend Nat'l Prayer Breakfast5 United Way Annual Meeting Set7 Maturango Museum Awards Presented ...8

INSIDE . . .



SOME LIKE IT HOT — Shown extinguishing a blaze of JP-4 from Lt. J. W. Jackson. These tests of the non-aspirating delivery Edwards Air Force Base. The driver is another NWC firefighter, 8,000 sg. ft. in area.

aboard the P-4A truck are (on turret) Lt. F. D. Holley, NWC system were conducted at NWC's G-2 range, using from 1,000 to firefighter, and, backing him up, Bob Hemmis, an engineer from 2,000 gallons of the jet aircraft fuel ignited in pits from 4,000 to -Photos by Ron Allen

Major test programs in 3 areas of fire safety research conducted here

Fire tests conducted recently at China Lake illustrate both the versatility and capability of the Naval Weapons Center in the area of fire research.

Three separate, major test programs are currently under way here which should further fire safety in diverse ways. They are: a foam nozzle improvement study designed to enhance aircraft rescue and fire fighting capabilities; a shipboard interior bulkhead fire resistance study to aid in the protection of American ships; and an investigation into explosion hazards associated with tankers carrying liquified natural gas (LNG).

The first-mentioned test is sponsored by the U.S. Air Force, while the latter two are funded by the U.S. Coast Guard.

According to Robert L. Darwin of the

Naval Material Command, Washington, D.C., and Fire Protection Administrator of the Navy, "During the past six to seven years, the Naval Weapons Center has established a worldwide reputation for furthering fire safety through the practical application of research and development efforts.

NWC Expertise Recognized

"The sponsorship of the programs by the Air Force and the Coast Guard," he continued, "is evidence of the recognition of the Center's ability in this field - a recognition derived from previous large-scale fire tests related to Navy aircraft carrier and aviation fire protection."

Darwin, who managed the development of carrier fire protection a number of years ago with the help of a "mini-deck" testing facility constructed in the NWC range area, and who also has participated in numerous other fire fighting tests at the Center, recently spent two weeks at China Lake observing fire tests of interest to the Navy. Darwin added, "NWC is uniquely capable

to perform large-scale fire tests because of

its abundance of in-house technical and scientific talent, excellent test facilities and ranges, and favorable geographical location relative to ecological aspects of fire testing."

While here, Darwin, along with Naval Research Laboratory fire suppression research personnel E. J. "Jake" Jablonski and H. B. "Pete" Peterson, and the NWC Fire Division, under the direction of Fire Chief W. R. Knight, conducted jet aircraft fuel fire fighting tests at G range to compare the Navy concept of using non-air aspirating Aqueous Film Forming Foam (AFFF) nozzles with the traditional practice of using air aspirating form noz-

New Fire Truck Used

These tests, which represent a joint effort by the Navy and the Air Force, were conducted with the Naval Weapons Center's new aircraft fire fighting and rescue truck called the "P-4A," whose non-aspirating delivery system makes it possible for the

(Continued on Page 3)

Local observance of Black History Week to begin Mon.

order to include as many local area residents as possible in this week-long reminder of the black contribution to this nation's history.

Preparations for this week of education and entertainment have been made by a committee under the chairmanship of R. H. Booth. Among the purposes of Black History Week is to call increased attention to efforts being made, both in the government and in the private sector, to insure equal opportunities for black people in all facets of American life.

Service Slated Sunday Afternoon A program at 3 p.m. Sunday at the NWC All Faith Chapel will begin the week's activities. Three local pastors will be involved. They are the Rev. Ezra Turner. of the Union Baptist Church, who will deliver a sermon entitled "The Church as a Source of Leadership in the Black Community," while the Rev. Murray Boyd, of the Immanuel Baptist Church, and the Rev. Robert Johnson, of the Grace Lutheran Church, will present the epilogue and benediction, respectively.

Music will include solos by Every Jo McClendon and Glenda Cubit and a choral hymn by the Union Baptist Church Choir. Grant Williams, Deputy EEO Officer at NWC, will begin the service with a brief definition of the program's purpose.

Williams is also on the agenda for Mor day, Feb. 7, with an all-day course planned in the NWC Training Center. This will be an opportunity for NWC employees to pick up EEO training credit and also a basic knowledge of black history. Entitled "A Brief History of the Afro-American from 3000 B.C. to the Present," the course will be divided into two three-hour segments from 8:30 to 11:30 a.m. and from 12:30 to 3:30 p.m. Films will be shown and Williams will entertain questions at any time during the presentation.

On Tuesday, Feb. 8, a special treat is in store for the community. A mini-art festival and food fair will be held in the China Lake Community Center from 11 a.m. to 5 p.m. Booth is coordinating the loan of watercolors, oils, and prints by prominent black artists, and these works of art will be on display. Another art form to be featured will be the playing of recorded music throughout the show. In addition, the creation of "Soul Food," will be demonstrated. Tastes of dishes ranging from collard greens to chitlins will be available for the asking. A luncheon at the Chief Petty Officers'

(Continued on Page 4)

TON.

EXPERTS CONFER - NWC Fire Chief W. R Knight stands on the P-4A fire fighting and rescue truck to explain the use of its non-aspirating nozzle to (I.-r.) H. B. "Pete" Peterson of the Naval Research Laboratory (NRL); Bill Pahl, NWC deputy fire chief; E.J. "Jake" Jablonski, also of NRL; and Don Huber, fire chief at NAS North Island.





HEALTH HAZARDS OF SMOKING EXPLAINED - Since Tuesday of last week, the Rev. Richard D. Shadduck (at left), pastor of the Seventh-day Adventist Church in Ridgecrest, has visited all of the elementary and junior high schools in the Sierra Sands Unified School District to present an up-to-date program on the hazards of cigaret smoking. His no-smoking campaign began on Jan. 18 at Pierce Elementary School at China Lake and ended on Feb. 2 at Randsburg Elementary School. Through the use of a film and a mannequin called "Smoking Sue," as well as special displays, he held the attention of his youthful audiences as he stressed the potentially dangerous effects of smoking — not only to those who smoke but to those nearby who inhale the smoke others exhale into the air. The above photo was taken during Pastor Shadduck's presentation to a group of first through third graders at Groves School.

Energy conservation effort increased...

(Continued from Page 1)

be in operation longer.

For these reasons, the guidelines to be used by the Naval Weapons Center for the remainder of this heating season are: (a) Those buildings with combined

heating and cooling systems should have their thermostats set at 73 degrees F.

(b) Those buildings with combined heating and cooling systems, but with the cooling equipment secured, should have their thermostats set at 65 degrees F. These buildings are No. 31433 (Thompson Lab), No. 31180 (Shipboard Weapons), No. 31598 (Environmental Research Lab), No. 31440 (Anti-Radiation), No. 31587 (Terrain Model), No. 31600 (Warhead R&D), No. 31420 (Anechoic Facility), No. 20002 (Hangar II), and No. 11530 (Electro-Mechanical Lab).

(c) For those buildings with separate heating and cooling systems (as evidenced by different thermostats for each) and for those buildings with evaporative cooling equipment, thermostats should be set for a maximum of 65 degrees F. during the working day and lowered for night and weekends where possible.

(d) Warehouses and similar spaces shall have the thermostats set at 55 degrees F., or if not possible, then as close to 55 degrees F. as the thermostat will allow.

energy conservation by DoD activities, the making regular monthly visits. Chief of Naval Operations has established interim guidance for civilian personnel tages or severe weather conditions. That (213) 781-7900.



Official Weekly Publication Naval Weapons Center China Lake, California

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> > C. E. Van Hagan Head,

Technical Information Departmen

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criteria is: annual leave or leave without

pay will be utilized by all personnel not required to remain at work to protect the facilities. This criteria was established due to the possibility that some Naval facilities may face the forced closure that has already hit many commercial firms in other parts of the country.

Employee Cooperation Vital

The assistance and cooperation of all Center employees will be necessary to implement this conservation effort. During the period of reduced heating temperatures, the wearing of warmer clothes is recommended. Special restraint will need to be exercised with regard to the use of supplemental heaters, in that their use is restricted to medically-related requirements

The electricity used by NWC comes from the Southern California Edison Co., which generates nearly all of its power at fossil-fueled plants. Therefore, the use of electric heat is counter-productive to conservation goals. The existing restrictive policy for obtaining supplemental electric heaters will be tightened to eliminate the issuance of any additional heaters.

Semi-annual visits slated

A representative of the Aetna Life and Casualty Co. will be visiting the Naval In addition to the request for heating Weapons Center every six months instead of

Employees needing claims assistance between visits should write to Loni Kivett, measures in the event of forced closures of Aetna Life and Casualty Co., 8155 Van Nuys Naval activities because of energy shor- Blvd., Panorama City, Ca. 94102, or call



Phones

Promotional opportunities

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 employn 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 supervisory appraisal will be sent to the current supervisor and the nost 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.

Secretary (Typing), GS-318-5/ 6, PD No. 7761002N, Code 61 - This position is located in the Aircraft Department Office. The incumbent functions as the personal assistant to the head of the Aircraft Department; receives all visitors, maintains calendar, drafts, prepares and reviews correspondence, monitors storage and disposition of all department records and establishes / controls procedures for the handling of secret material. Job Relevant Criteria: Knowledge of correspondence procedures and policies and of Aircraft Department organizations, programs and policies; ability to use initiative and judgment in the handling of day to day business in support of the supervisor; knowledge of reporting formats and procedures; ability to exercise tact and diplomacy in dealing with persons at all organizational levels within and outside the organization. If filled at GS-5, this position has promotion potential to GS-6.

File applications for the above with Carol Downard, Bidg. 34, Rm. 208, Ph. 2577.

Welder, WG-3703-10/ 11, JD No. 3703N, Code 36482 -Position is located in the Metalworking Branch, Engineering Prototype Division, Engineering Department. Incumbent performs controlled welding and related flame cutting, soldering, brazing, metal spraying and flame heat treating of an experimental nature in con nection with the research and development of the welding process for such purposes as developing and improving welding methods and sequences of standard trade procedures. Job Relevant Criteria: Ability to do the work of a welder without more than normal supervision: knowledge of materials and structures of the trade; ability to plan, lay out and set up welding work, to interpret and apply shop drawings, specifications and welding procedures, to use a variety of the hand tools and measuring devices common to the trade and to perform the duties of a welder both safely and with dexterity.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2925.

agement Analyst, GS-343-9, PD No. 7608065-1, Code 08 - This position is located in the Office of Finance and Management. The incumbent performs studies in organizational planning, management improvement, position management, resource utilization, information management systems, methods and procedures, work simplification, cost effectiveness, and other specialized areas. Job Relevant Criteria: Must have strong background or degree in government, business ad ministration, economics, behavioral science, philosophy, or technological processes; ability to deal effectively both verbally and in writing; knowledge of management theory and practice, and of analytical techniques and their application. Promotion Potential: GS-12.

Travel Clerk, GS-2132-3, PD No. 7385016, Code 0866 -This is a training position in the Travel and Transportation Branch of the Office of Finance and Management. Incumbent reviews travel orders; verifies entitlement secures information from sources such as official airlines guides and train guides; advises travelers of routes, acnodations, travel advances and related matters, ssues transportation requests and meal tickets; obtains reservations and tickets; provides estimates and computes per diem, mileage and other transportation costs;



RECENT ARRIVAL - Ltjg. Dean R. Benedix, CEC, USNR, is now handling the duties of NWC housing officer, following his transfer here from the Portsmouth Naval Shipyard in New Hampshire, where he was the assistant resident officer-in-charge of construction for two years. Ltjg. Benedix, who joined the Navy as an enlisted man four years ago, was a 3rd class builder in the Seabees at Port Hueneme prior to being accepted for Officer Candidate School at Newport, R.I. His 20 weeks of OCS was followed by 8 weeks of training at the Civil Engineer Corps Officer School at Port Hueneme before he was assigned to his first duty station as an officer at the Portsmouth Naval Shipyard.

issues orders and gives information for, boarding military aircraft; and performs other related duties. Job Relevan Criteria: Ability to type, to research and comprehend puidelines; and to deal tactfully with people. Promotion

Potential: GS-5. the above with Tina Lowe, Bldg, 34 File applications fo Rm. 206, Ph. 2676.

Printing Specialist, GS-1654 - 7/9, PD No. 7723007, Code 231 - This position is located in the Administrative Office of the Publications Division, Technical Information Department. The incumbent receives incoming production obs and introduces them into the processing sequence at the proper place; coordinates their movements from step to step and releases the completed jobs to the customer; ensures that every official publication complies with all pertinent regulations relating to publishing and security; acts as a consultant on all phases of publishing for authors, editors and artists; and prepares cost estimates for job coming into the division as requested Job Relevant Criteria: Knowledge of technical and non-technica publishing; knowledge of editing, illustrating, book layout composition and pasteup, printing, binding and distribution; experience in working with people. Printing Assistant, GS-1654-7, PD No. 7723004, Code 234

- This position is located in the Graphic Arts Division Technical Information Department. The incumber provides technical and legal direction as needed o requested to Center personnel in the areas of printing and duplication management; interprets Joint Committee or Printing regulations and provides guidelines to NWC personnel; provides staff support for the division in the area of printing and duplicating; and assists in monitoring the usage and costs of NWC copy equipment. Job Relevan Criteria: Knowledge of printing and reproduction prin ciples and techniques, experience in contract monitoring and the ability to work independe Potential: GS-9.

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

Computer Technician, GS-335-9, PD No. 7735003, Code 3554 — This position is located in the Data Managemen Branch, Countermeasures Division, Electronic Warfare Department. Incumbent performs comparisons between computer programs to determine efficiencies or deficiencies of the Univac 1108 executive and / or utility software; maintains close liaison with the computer programmers to determine conversion priorities, define adequate program test cases and evaluate the output verifying the operational status of each program develops, implements and maintains equipment and software performance evaluation account procedures to provide a dynamic, usable management information data base; serves as the Job Control Language (JCL) programmer; assists in the synthesis of the general purpose program library and will be responsible for a library maintenance; functions as the hardware/software coordinator and will control all documentation relating to the computer facility. Job Relevant Criteria: Experience using Job Control Language, ability to evaluate computer programs, and knowledge of program documentation

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118



January 28, 1977

Saddleback Sales keglers post sweep, lead Premier League

The Saddleback Sales keglers are still clinging to first place in the Premier Bowling League, thanks to a three-game sweep over the NAF Hawks this past Monday night at Hall Memorial Lanes.

In second place, just a game off the pace, are the Raytheon Sidewinders, who have won 41 and lost 16, and the Hideaway keglers are in third with a 40-17 record. The Saddleback Sales squad nabbed both high team series and high team game

honors on Monday night by posting scores of 3,066 and 1,062, respectively. George Barker's 643 was tops in the high

individual series category. Others over the 600 series mark, and their scores, were: Bill Osborne (639), Earle Roby (622), Ken Dalpiaz (621), Allen Smith (616), Jack Herbstreit (614), Jim Dillon (613) and Art Karrer (608).

Barker also posted the high single game score for the night (256), and eight other Premier League bowlers were over the 200 mark for a single game. They were:

Smith (246 and 201), Roby (238 and 203), Herbstreit (236), Aaron Kane (226), Jim Dillon (221 and 203), Bob Beck (221), Osborne (217, 216 and 206), and Dalpaiz (211, 206 and 204).

Current standings in the Premier League

and the second second second second	. Antonio		
Team	Won	Lost	
Saddleback Sales		15	
Raytheon Sidewinders	41	16	. 1
Hideaway	40	17	
Pollock Construction		26	
Hi-Desert		27	
NAF Hawks		30	
King Max		35	
Credit Union	19	38	
Fisher Plastering	17	40	
Elk's Lodge	16	41	ē 4

Burroughs varsity...

(Continued from Page 6)

and Dansbury Sturdivant ranked a distant second to Anderson in their team's scoring with 8 points apiece.

High point man for Burroughs was Robert Campbell with 17, while Kevin Silberberg tallied 14 and Benny Vick chipped in 7 points. All of Vick's scoring came in the first period of play.

The Kennedy High School team, which the Burroughs High varsity knocked off here by a score of 56-42 earlier in the season, completely turned the tables on the Burros this past Tuesday night in Barstow.

The contest was a close one for the first half, which ended with the Spartans in the lead, 23-21, but the situation began to get out of hand in the final two periods of play particularly in the fourth quarter when the Burros were outscored 26-11.

Nothing the Burroughs High varsity tried to do seemed to work for them Tuesday night, Coach Bird reported. Not only were they outscored by a wide margin, but for the first time in the league season also came out far short of their opponents (38-25) in rebounds.

In the second half, the Spartans hit more than 60 per cent of their field goals, compared to 30 per cent for Burroughs, and the victors took advantage of free throw opportunities to cash in on 15 charity tosses in the fourth quarter.

The game's top scorers were Wilford Williams and Charles Jarvis of Kennedy, who tallied 26 and 21, respectively. Burroughs was led by Robert Campbell and Benny Vick, who dropped in 10 and 9.

Close games...

(Continued from Page 6) final margin of victory to 3 points. Mike

Graham led Loewen's with 17 points, and Rick Blosser had 18 for the losers. In the final game of the night, the Net

Knockers squeaked by the Speedsters, 40-39. Although the Speedsters held a 20-19 half-time advantage, the Net Knockers outscored them 21-19 after the intermission. High point honors went to Brett Fisher of the Speedsters, who had 20, while Rod Maskew chalked up 10 for the Net Knockers.

"One of the great things about a career at China Lake is being able to work with a project through its early development, initial production, and then see it introduced into combat. And if you're really lucky, you even get to go on some of the combat missions."

ROCKETEER

Speaking is Jim Bowen, known around the Naval Weapons Center as the "father" of the weaponization of Fuel Air Explosive (FAE) devices, and head of the Weapons Systems Branch of the Propulsion Development Department.

Jim's association with FAE weapons is so well documented that it needs little further elaboration here. He was deputy program manager for the CBU-55 bomb, a firstgeneration FAE device, which was introduced extensively during the Vietnam War in 1971. By deploying cannisters that form a fuel-air mixture which is ignited to produce high intensity blast and concussion, this air-delivered weapon achieved great success in clearing helicopter landing zones of mines and booby traps and in destroying bunkers and other defensive positions.

Personal Dividends One of Jim's "pay-offs" was being a member of the introductory team which accompanied the first shipment of these weapons to Vietnam in 1970 and which assisted in all aspects of their initial use in combat. Two more came in 1972, when he was presented with the American Ordnance Association's Harvey C. Knowles Award

and NWC's Michelson Laboratory Award for his contributions to the CBU-55. Jim adds, however, "Without the firstrate technical support from all the people in our branch, FAE would not have developed into the success that it became."

Right now, the Weapons Systems Branch is in the middle of the full-scale development of the next generation of FAE devices, and according to Jim, "FAE technology has a fantastic growth potential, which is why I stay in the field. The work is still fun."

Jim has always found fun in building things, and as a boy set his sights on becoming an engineer - a decision which might have been influenced by growing up the son of a construction superintendent for a large firm. Born in Lawton, Okla., Jim attended the Allen Military Academy at Bryan, Tex., and, upon receiving an appointment to West Point in 1952, looked forward to a military career. At the last moment, however, he was disqualified because of his eyesight, but earned an ROTC commission as a second lieutenant upon his graduation from Texas A&M in 1955 with a degree in industrial engineering. He eventually served as an airborne infantry officer.



Jim Bowe

Initially attracted to China Lake by the fact that a friend of his was enjoying a satisfying career with the Navy here, Jim signed on with the Naval Ordnance Test Station (now NWC) in 1955. Among his early assignments was design engineering work on the ZUNI motor and warhead and the NORTH STAR and LAR liquid propellant propulsion systems.

Out of many other duties while working for the Navy, Jim remembers with a certain chill one in particular. In the late 1950s. NOTS had sent him to San Clemente Island for the demonstration of the buoyant launch of a three-quarters scale Polaris missile. He and two other men were observing the missile while awaiting its launch, when the unit was prematurely initiated by the radar of a passing Navy ship. Although his two companions were seriously injured, Jim was not harmed at all, and the incident resulted in a large scale program to determine the hazards caused by radars operating near electro-explosive devices.

Advantages of China Lake From 1960-64 Jim left China Lake to work

for the Applied Science Corp. as project manager for a rocket assisted artillery shell program, and for the Aerospace Division of Vickers, Inc., as the engineering manager for preliminary design. He decided to return here, however, "because I don't like to live in cities," and because "although the work was interesting, I really had little choice in what I was given to do. At China Lake, though, a person has the real advantage of being able to work on a variety of enjoyable projects. I guess you could say that industry would be great if you owned the joint."

To the above statement, Jim adds a



POPULAR SPORT — Ken Lagergren (in foreground) demonstrates a backstroke technique to part of the kayaking class which he instructs at the Center gymnasium's indoor pool on Thursday nights from 8 to 10 o'clock. The five students pictured are (I.-r.) Karen Clark, Dick Schmidt, Fern Rainsberger, Jon Schmidt and Sherri Drake. Students learn basic kayaking technique in the swimming pool which will help them in running whitewater sections of rivers. As a continuation of the course, clinics will be held on the Kern River this spring. Signups are now being taken for a second five-week class to be taught by Lagergren beginning March 3. Each student must be at least 15 years of age and able to pass basic swimming requirements. The \$5-per-student fee includes all necessary equipment. Interested persons may register with the gymnasium secretary from 9 a.m. to 2 p.m. on weekdays. Further information may be obtained by phoning Lagergren at 375-7420 after 5 p.m. -Photo by Ron Allen

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qualifier, though, saying, "I think that since the Vietnam War there has been an imbalance at NWC in that there exists a disproportionate concern with procedure rather than with content."

Jim worked his way through college as a carpenter, and since then has enjoyed applying his building skills to the construction of houses. He has built and sold a cabin at Mammoth Lakes, and, about four years ago, he and his wife, Audrey, began planning a home in Walker Pass. After three years of work, the adobe house is now about 90 per cent completed, and, with its 16-in. thick walls, is optimized for doing without an air conditioning system. Last summer, Jim reports, temperatures inside the home did not exceed 80 degrees. Audrey, as "chief architect, supervisor and laborer' did 60 per cent of the work, he says.

Son, Daughter in Family

The Bowens' son, James Ray, is a junior as San Jose State, and their daughter, Sara, is working in a hospital in Concord, Calif.

An experienced sky diver and pilot, Jim is eager to obtain his own glider because "I don't think you really learn to fly with a powered engine. Gliding is the thing that will teach you how an aircraft performs."

Our employee in the spotlight likes to propagate a story - that he is the "real Jim Bowen," while the James R. Bowen in the Engineering Department is the "other Jim Bowen." They're good friends, of course. But the "real Jim Bowen" has changed his appearance so drastically within the last few years that you could wonder whether he's actually wearing a disguise. Just about forever, it seemed, he had worn a crew cut. to the point where his friends were saying he had to be a Marine.

Now, though, (see exhibit "A", above) his hair is fashionably long and he has even grown a mustache, on the advice of his son. who said "if you have long hair you can't have a straight face."

Course to be held in microminiature component repairs

Applications are now being taken for enrollment in a 10-day Microminiature Component Repair training course that will begin on Monday, Feb. 28, at 8 a.m. in the Avionics Module Repair Training Facility at 75 Parsons Rd.

Instruction will be offered in the use of the proper tools and techniques for assembling and repairing microminiature electronic circuitry

A prerequisite for attending this course is successful completion of the Miniature Component Repair course. Additional information can be obtained by contacting either W. E. Sake or E. J. Donohue at NWC ext. 3338 or 3491.

Employees interested in attending this more advanced course must submit an NWC enrollment form via proper depart ment channels in time for it to reach Code 3661 no later than Feb. 22.

Award presentations to highlight IWV United Way meeting

The annual dinner and awards meeting of the United Way of Indian Wells Valley will be held on Wednesday evening at Mr. P's Playhouse, 1661 N. Triangle Dr., Ridgecrest.

The evening will get under way with a "social time" at 6:30, while a steak dinner will be served at 7:15 and the group's election of officers and awards presentations will take place at 8 o'clock. The awards are intended to recognize campaign volunteers and business firms whose employees were especially generous during

Cost of the dinner, including tax and tip, is \$6 per person. Reservations must be made by Monday by phoning either Susy Raful at 375-2920 or Marj Boehme at 375-9781 or 375-9561. The public is invited to attend for all or part of the evening.

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Close games mark action in Intramural **Basketball League**

A number of close and especially exciting games marked last week's Intramural Basketball League action at the Center gymnasium.

In the first night of play - Tuesday, Jan. 25 - the No Names and the Outcasts led things off with a "C" Division affair which the former team won, 51-37. The No Names jumped off to a 26-18 half-time lead, and their opponents could never cut the gap to less than 12 points. Bob Parsons led the winners with 18 points, while Doug Nelson had 11 for the Outcasts.

FAC No. 1 and NAF locked up in a real battle during the evening's second contest. Even though FAC held a 22-18 lead at the half, NAF battled back and outscored them 26-21 in the final two periods of play to win the game in the last 25 seconds by a score of 44-43. Daryl Moline paced the winners with 18 points. Tyrone Jackson and Rich Peterson each had 10 for FAC.

The Space Mud cagers had no trouble disposing of their "B" Division rivals - the Gamecocks - in the final game of the night. The half time score was only 19-16 in favor of Space Mud, but they plucked the Gamecocks, 27-9, after the intermission to win going away, 46-25. High point man for the winners was Al Sorenson, with 14. Lester Hanson tallied 8 for the Gamecocks.

League Schedule Cut Short

Wednesday night's schedule was abbreviated, due to the game between Cerro Coso Community College and Mt. San Jacinto College. The one Intramural League contest staged was between Homestead and the Muthas, in which the former held off a late surge by their opponents to post a 41-38 victory. Pacing the winners was the 11 points of Larry Stensaas, while Mike Chan had 13 for the Muthas.

On Thursday night, Jan. 27, there was a full slate of games, beginning with a "C" Division contest between the Wasps and Gasbags. Tied at 10-10 at the intermission, the game continued to squeak along until the final gun sounded with the Wasps on top, 28-26. Rich Booth and John Leslie led the Wasps with 6 points each, while Billy Waldon had 10 for the Gasbags.

The evening's "A" Division matchup saw Loewen's No. 1 defeat Desert Motors, 53-50. The winners held a slim 27-26 lead at the half and eventually managed to stretch the (Continued on Page 7)

Results announced of C.L. Golf Club's installation tourney

A total of 40 entries competed in last Saturday's Officers' Installation Tournament held here by the China Lake Golf Club.

The over-all low gross winner was Luke Thomas, who shot a 70 for the day, while Merrill Lloyd's score of net 69 gave him the over-all low net title.

In other action, Phil Sprankle was the winner of the President's Flight, while Hank Meyers defeated Joe Strichek in a playoff to take the Vice-President's Flight. The Treasurer's Flight was won by Hal Turner, who bested Bob Hooper and Dick Rusciolelli in a three-way playoff, and the Secretary's Flight winner was Ed Schwartz. Duffer's trophies were presented to Bob Agee and Doug Hopkins.

At a dinner-dance held that evening at the Chief Petty Officers' Club, the golfers installed the following new officers: Capt. Connie Olson, president; Mike Sanitate, vice-president: Ed Nelson, treasurer; and Jim Downard, secretary. New members of the club's board of directors are Bob Hooper, John Emery and Paul King.

Capt. Olson will preside at a general meeting of the club to be held tomorrow at the China Lake Golf Course at 8 a.m.

A cross country tournament will be held at the China Lake golf course on Saturday, Feb. 19. Details will be published later in the ROCKETEER.



REBOUND SNAGGED - Kevin Silberberg (No. 34) has the edge in grabbing this rebound for Burroughs in last Friday night's varsity basketball contest between the Burros and Victor Valley, Backing him up is teammate Jay Kovar, Victor Valley players with their eye on the ball are Tony Anderson (No. 54), who was the game's top scorer and rebounder, and William Lightner (No. 44). The visitors retained a firm grip on first place in the Golden League by defeating Burroughs, -Photo by Ron Allen

Burroughs varsity basketball hopes dip after two losses in past week

Burroughs High School varsity basketball fortunes took a sudden dip this past week, as the local team suffered back-to-back defeats on Friday and Tuesday at the hands of first Victor Valley and then Kennedy High School teams.

In the Victor Valley game played here last Friday night, the Burros came out on the short end of a 69-53 final tally, and on Tuesday night at Kennedy High in Barstow the locals came up with their lowest point total of the current league season as they were plastered 67-44 by the Spartans.

The road ahead is now a rough one for the BHS varsity, which has dropped back to third place in league standings behind Victor Valley and Kennedy, who are No. 1 and 2, respectively. Tonight and on Tuesday night the Burros will be playing at home against Antelope Valley and Apple Valley teams which they edged by a point apiece in their previous league encounters.

ematch With Victor Valley

Then, next Thursday, Feb. 10, the Burros will travel to Victor Valley High School for a game that will make up for a contest that had to be postponed on Jan. 7 due to weather conditions that made traveling hazardous between Ridgecrest and Victorville.

Going into last Friday night's game with Burroughs, the Jackrabbits from Victor Valley were ranked the No. 2 team in California Interscholastic Federation Class 2-A competition, and lived up to their advance billing.

Coach Larry Bird, head coach of the Burros' varsity squad, attested to this fact by calling the visitors from Victorville "definitely the best team that we have played this season."

Particularly outstanding was Tony Anderson, the Rabbits' 6 ft., 4 in., senior forward, who singlehandedly scored as many points (24) in the first half as did the home team.

A full-court, pressing defense upset the Burros' applecart in the first half of the Victor Valley game, forcing the locals into 17 turnovers that the free-wheeling visitors were quick to take advantage of.

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Hitting from both short and long range, the Jackrabbits got off to a 22-16 first quarter lead, and then held the Burros to just 8 points in the second period, while they poured 18 through the hoop.

Faced with a difficult task as they returned to play trailing 40-25 after the halftime intermission, the Burros outscored their opponents 12-4 during one segment of the third stanza in which they cut the Victor Valley lead to 11 points. Despite the uproar in the Burroughs High gym, the visitors cooly canned two field goals as the final minute of play ran out in the third period to increase their lead to 54-39.

Keeping the pressure on in the fourth quarter, the Jackrabbits, with Anderson leading the way, outscored the Burros 15-14 to win the game 69-53. Anderson connected on 12 field goals and 12 free throws for a total of 36 points, and also hauled down 20 of his team's 33 rebounds.

Victor Valley guards Barry (Continued on Page 7)

Loss to Pt. Mugu knocks NWC cagers out of 11th ND Northern Elimination Tourney

last week's 11th Naval District Northern remaining in the tournament or dropping Elimination Basketball Tournament at the Naval Support Activity, Long Beach, as they split their first two games and lost their third contest in this double elimination

As reported in last Friday's ROCKETEER, the NWC quintet lost its first game, on Jan. 24, to a team representing the USS O'Callaghan by a score of 89-71.

On the following afternoon, Jan. 25, however, the locals combined stellar scoring performances from Kelvin Mc-Swain and Charles Burgess - each with 19 - and a 14-point effort by Lance Goolsby, to roll over the hoopsters from the USS Edson, 83-61. The NWC team got off to an early lead, and, thanks to a tenacious defense, was never headed during the game.

Only two points spelled the difference

C. S. S. Oaks

February 4, 1977



Wilt's Corner

New tennis classes to begin Feb. 15 at

China Lake courts New tennis classes will begin Tuesday. Feb. 15, under the instruction of Fred

Hagist at the China Lake courts. Intermediate classes will be held on

Tuesdays and Thursdays from 10 to 11 a.m. and from 5 to 6 p.m., and will run for 12 sessions. A six-session beginners' class will be conducted from 5 to 6 p.m. on Wednesdays.

Signups are being taken now at the Center gymnasium

Volleyball Meeting Set

An organizational meeting for the Intramural Volleyball League will be held at the Community Center's Panamint Rm. on Thursday, Feb. 17, at 5 p.m.

According to Doug Nelson, NWC athletic director, "Any team or player interested in the league should attend the meeting or send a representative. Topics to be discussed include league organization and guidelines which will govern this year's play."

Gym Closes Early Tonight

Due to a game between the hoopsters of Cerro Coso Community College and Mira Cost College, the Center gymnasium's basketball court will be closed for use by the public at 5:30 tonight.

A Youth Center High School League game will be played on the court at 6 o'clock, and the college game will follow at 7:30. All other facilities in the gymnasium will remain open.

Swim Instruction Offered

Signups are still being accepted for two swimming courses for tiny tots which will begin at the Center gymnasium's indoor pool Tuesday under the instruction of Adrienne Swinford

For youngsters from six months to four years of age, a class will be conducted on Tuesdays from 10 to 10:30 a.m., while another half-hour class, beginning at 1 p.m., will be held on the same days for four-to-five vear olds.

The classes will continue for eight weeks. There will be a fee of \$6 for each youngster attending the earlier class, while that for the four to five-year-old age group is \$8. Signups are being handled by the gymnasium secretary on weekdays between 9 a.m. and 2 p.m. Call NWC ext. 5260 for more information.

The NWC hoopsters were forced out of between victory and defeat - and out of it - on the next day, Jan. 27, as NWC locked horns with the cagers from Pt. Mugu.

> In a well-played contest that wasn't decided until the final buzzer, the NWC hoopsters fell just short as the final tally was 71-69 in favor of their rivals. High point men for the locals were Ron Penny and Lance Goolsby, with 16 each, while Charles Burgess tallied 14. This loss eliminated NWC from further competition.

Winner of the tournament was the team from the Naval Support Activity, Long Beach, which had a perfect 5-0 record. The hoopsters from the Pt. Hueneme Naval Construction Battalion Center placed second with an over-all record of 4-1. Both teams competed this week in the 11th ND Basketball Championships held in San Diego.

plication.

Fire Chief Knight and Deputy Chief Bill Pahl conducted the original AFFF field tests at NAS Miramar under the direction of Fire Chief Don Huber. The latter, their former chief and a fire fighting technology pioneer who is now fire chief at NAS North Island, served as a technical advisor during the recent tests conducted at NWC.

A film about experiments performed under the weightless conditions aboard this nation's Skylab spacecraft will be shown at the next meeting of the China Lake Astronomical Society on Monday night at the society's clubhouse, 401-A McIntire St. The meeting, which is open to the public. will begin at 7:30. Besides the showing of the film, entitled "Conservation Laws in Zero Gravity," CLAS member Jim Stansell will give a talk on the pronunciation of star

February 4, 1977

Army Reserve unit training exercise held at China Lake

An airborne "invasion" of the Naval Weapons Center took place this past weekend when, as a training exercise, 40 officers and men of an Army Reserve training unit arrived here from Hamilton Air Force Base in Novato, Calif.

Thirty-five members of Headquarters Co., 3rd Battalion of the 12th Special Forces Group (Airborne), began this drill by participating in an airborne jump to a drop zone located north of the Naval Air Facility.

From the landing zone, the soldiers, under the command of Maj. James L. Beard, hiked part way and rode the last few miles to a location north of B range where they received instruction in and then practiced firing the Army's shoulderlaunched light anti-tank weapon (LAW).

Targets, set up at a distance of 150 meters, were some World War II vintage amphibious landing vehicles. Prior to live firing of the LAW, a demonstration of special weapons was conducted by Lt. Lee Dickson, Navy Special Warfare Projects Officer, and by Bob Forster, head of the Weapons Department's Surface Systems Division.

Local arrangements for use of NWC range facilities for this training exercise were handled by Lt. Col. R. F. Boyd, Army liaison officer at NWC.

The Army Reservists were accompanied here by some regular Army personnel from Readiness Group IX, who are stationed at the Presidio of San Francisco. Included among the regular Army men was S/Sgt. John R. Cavainaii, who was awarded the Congressional Medal of Honor for his part in the battle for Fire Base Hickory during the Vietnam War. The heroic action that earned him the nation's highest battlefield honor took place in March 1971.

Sgt. Cavainaii was later captured and spent nearly 20 months as a prisoner of war in the Hanoi area.

Part of the Army Reserve unit's training here also included setting up a perimeter defense at night and doing some patrolling. Before leaving at noon Sunday on the same Air Force C-130 Hercules transport that brought them here, the men of the Army Special Forces Group viewed a static display of Air Test and Evaluation Squadron Five (VX-5) aircraft.

Craftsmen begin job of

servicing home air coolers With spring approaching - summer can't

be far behind. With that in mind, air conditioning mechanics from the Public Works

Department's Electrical / Plumbing Branch, have already started the job of servicing evaporative coolers.

This is a task that entry requires into all homes in order that thermostats can be checked. Permission to enter homes will be assumed unless other arrangements are made by calling NWC ext. 2542.



EVALUATION TESTS CONDUCTED - NWC fire fighter Robert Fox (at right) extinguishes a fire in the jet aircraft fire simulator while being observed by (I.-r.) Ray Alger, of the Stanford Research Institute; E. J. "Jake" Jablonski of the Naval Research Laboratory; Robert L. Darwin, of the Naval Material Command, and NWC Fire Chief W. R. Knight. The device permits realistic, repetitious fire fighting training in an environmentally acceptable manner.

Base. An early morning parachute landing north of the Naval Air Facility was followed by instruction and practice in the firing of the Army's shoulder-launched light anti-tank weapon (LAW). In who accompanied the reservists, is using a chart to describe the were WWII vintage amphibious landing craft.

Photos by **Ron Allen**

ARMY RESERVE TRAINING EXERCISE - This camera's-eye most vulnerable spots for a hit on an enemy tank and most efview shows a part of the activity that took place this past weekend fective use of the anti-tank weapon. Seated at his right is Maj. when the Naval Weapons Center was the setting for the training of James L. Beard, commanding officer of Headquarters Co., 3rd members of an Army Reserve unit from Hamilton Air Force Battalion of the 12th Special Forces Group (Airborne). In the lower left photo, Sgt. 1st Class James P. Monaghan, also an Army regular, is giving instruction on the firing of this anti-tank weapon to three members of the Army Reserve unit, and the men then had photo at top right, S / Sgt. John R. Cavainaii, a regular Army man a chance to try their hand in it. Targets, set up 150 meters away,

part of the U.S. Coast Guard to determine

the hazards of marine transportation of

There is considerable public interest in

the potential hazards of LNG shipment

since it is anticipated that very large

quantities of this fuel will be imported to the

ports of Southern California and other

areas. LNG tankers have capacities as

While the NWC Fire Division is not

directly involved in conducting the latter

two test programs, "We have a vital in-

terest in them due to their over-all relation

to fire fighting research," according to Fire

Further related research at NWC in-

cludes pre-production tests of a new

firefighting vehicle for the Navy's aircraft

carriers. Named the Twinned Agent Unit

No. 3 (TAU-3), this vehicle should provide

carriers with a mobile, compact fire

fighting capability. These tests are

scheduled to be held here in April.

potentially dangerous cargoes.

large as 33,000,000 gallons.

Chief Knight.

Major fire safety research tests staged...

(Continued from Page 1)

first time to dispense the fire fighting agent in a large, adjustable pattern that can rapidly knock down fires.

This concept, developed in 1975, is contrasted with the circa 1940 method - which is still in general use - of entraining air to expand the foam. This recent advance produces a fog which, by virtue of its more even distribution and wider pattern, has a considerably more effective area of ap-

Now in Worldwide Use

It was Jablonski and Peterson who were instrumental in the original development of AFFF and the potassium bicarbonate dry chemical (PKP) which have since revolutionized flammable liquid and aircraft fire fighting technology and are standard fire fighting agents now in worldwide use. The non-air aspirating nozzles will be the first devices to take advantage of the specific characteristics of AFFF, which is more effective when applied in a fog pattern.

According to Fire Chief Knight, "These

Film about experiments aboard spacecraft slated

tests confirmed our opinion that the application of extinguishants of the aqueous film forming foam type provide faster control time and increased efficiency. Unexpectedly, moreover, the method showed greater resistance to re-ignition. In conclusion, I think we have fostered a revolutionary breakthrough in aircraft fire fighting technology."

During the same period, the NWC Fire Division also conducted evaluation tests on a new aircraft fire fighting training device that simulates aircraft engine fires and permits realistic, repetitious fire fighting training in an environmentally acceptable manner. The device - essentially a long barrel - produces fires whose degree of difficulty and intensity can be controlled to meet the needs of the trainee.

This training device was designed and constructed by Ray Alger of the Stanford Research Institute, with technical consultation from Fire Chief Knight. The Naval Facilities Engineering Command is providing the developmental funding and the NWC Fire Division is responsible for conducting evaluations of the device.

Other Tests Conducted

Also conducted recently at NWC were ship compartment fire tests in support of a Coast Guard ship safety program, under the direction of John A. O'Malley, head of the Structures Branch in the Propulsion Development Department.

These tests involve subjecting ship compartment elements to controlled thermal excitation and recording structural and temperature responses in order to yield improved fire protection capabilities for Coast Guard, Navy and commercial ships. Present for the tests were H. C. Natameir and Ken Terry of U.S. Coast Guard Headquarters, Washington, D.C.

Another fire-related research program being conducted at the Center is the Vapor Cloud Explosion Study of LNG. These tests, under the direction of Dr. Doug Lind of Code 3262, are part of a continuing effort on the

Page Four

ROCKETEER

February 4, 1977

Black History Week to be observed here...

(Continued from Page 1) Club will be the principal activity on Wednesday, Feb. 9. Highlight of the luncheon will be the presentation of an award from the NWC EEO Office to Mrs. Bettye Rivera Sembach. Williams, the Center's Deputy EEO Officer, will represent RAdm. R. G. Freeman III, who serves as EEO Officer in his capacity as Center Commander, by presenting the award to Mrs. Sembach in recognition of her many contributions over the years to the celebration of this special week.

A menu of rock Cornish game hen or chef's salad will be served and persons planning to attend are asked to call the EEO Office, 939-2348, by noon on Monday. Featured speaker during the luncheon will be Dr. T. O. Bartley, director of the volunteer tutorial program and Deputy EEO Officer at the Naval Electronics Laboratory Center in San Diego. There also will be brief remarks by Mayor Ted Edwards of Ridgecrest and Dr. Richard Meyers, president of Cerro Coso Community College.

Two different EEO courses will be offered by Lt. John Zanelli and Sgt. Callie Edwards, race relations specialists at Fort Dix, N.J. The first course, containing information on



INSPIRATION FOR ALL - Vivian Younger (at right), who has been blind from birth, will speak about "Overcoming Obstacles" next Friday during the local observance of Black History Week. Miss Younger is shown with Karen Fowler, a local 4-H Club member, who helped to train the blind girl's guide dog, Clissy.

cross-cultural communication and minority women, will occur at 1 p.m. on Wednesday, Feb. 9, in the Community Center. A fourhour course the next morning, called "Star Power," will be offered to EEO personnel and is structured to enhance interpersonal communication skills, particularly with members of minority or disadvantaged groups. The same course will be offered again in the afternoon, this time to NWC supervisors and managers.

Two special events will wind up the week on a positive note. Vivian Younger, a vivacious and positive-thinking black woman who has been blind from birth, will visit the community. Final arrangements

Talk slated about local

area's ancient inhabitants Joseph Gamper, instructor of anthropology at Cerro Coso Community College, will address a brown bag seminar on the topic, "Ancient People of the Indian Wells Valley" at the college next Thursday, Feb. 10.

The seminar will begin at 11:30 a.m. in this free event.

Gamper, a native of Hermagor, Austria, received his B.A. degree in anthropology from the University of California, Berkeley, in 1972, and his M.A. degree in the same field two years later at California State College, Hayward.

He is well known locally for his direction of archeological surveys of early man in the Indian Wells Valley.



PROCLAMATION SIGNED - Rear Admiral R. G. Freeman III, NWC Commander, and Ted Edwards, Mayor of Ridgecrest, earlier this week signed a joint proclamation designating the period of Feb. 6-12 as Black History Week throughout the local community. Present for the proclamation signing were (I.-r.) Bettye Rivera Sembach, Dr. G. W. Leonard and R. H. Booth, Mrs. Sembach, who represented the Sierra Sands Unified School District, serves on the Education Committee of the National Association for the Advancement of Colored People and is chairman of the Desert Area Teachers Association Human Relations Committee. Dr. Leonard, head of the Propulsion Development Department, is chairman of the Equal Employment Committee, and Booth, an EEO Committee

member, is chairman of the Black History Week program. have not yet been made regarding Miss Younger's itinerary, but she is expected to

speak in the Community Center and to a group of school children. Her message is that the will to succeed can conquer seemingly insurmountable obstacles. Miss Younger, who is presently a

straight-A student at San Jose State College and a student teacher in the San Jose school system, has a special tie to the Indian Wells Valley. Her guide-dog, Clissy, was trained locally as a puppy by Karen Fowler, who is a 4-H Club member here.

The last special event during Black History Week will take place at 8 p.m. on Feb. 11 at the Covenant United Presbyterian Church in Ridgecrest. A group of readings about the black experience will be presented by talented people under the direction of Florence Green. Entitled "I Am the Darker Brother," the program will illuminate the feelings of black poets, playwrights, and writers who confronted the human condition and the unique problems and joys of the human being who is black.

Center library arranges special display for Black History Week

In conjunction with the local observance of Black History Week, Feb. 6-12, employees at the Center library have arranged a special display of reading material and long playing record albums.

According to Don Cook, librarian, lists will be available to assist library patrons in finding books of particular interest on the subject of the contribution of black Americans to this nation's culture and heritage.

Such books have been gathered together in a "Mosaic of America" special collection. Cook noted.

Recently completed and now available for loan by the library is a collection of 600 long playing record albums. Included in it is a

section devoted to musical expression unique to those of Afro-American heritage.

This is a record collection superior to that which can be found in nine out of ten public libraries of similar or larger size, Cook stated. He gave credit for assembling it to Jane McKenzie, a former employee, and to Elizabeth Wilkie, who is now the associate branch librarian at China Lake.

Of special interest during Black History Week are record albums such as John Lee Hooker's "Real Blues," the Harlem Christian Tabernacle Church choir's "Anthology of Black Gospel Music," Negro spirituals by The Goldenaires Choir, in addition to records by Duke Ellington, Nat "King" Cole, Billy Holiday and Pearl Bailey



SPECIAL DISPLAY AT LIBRARY — Books, periodicals and long playing record albums have been assembled as part of a "Mosaic of America" collection at the Center library in preparation for the local observance of Black History Week. Don Cook, librarian, and Margery Claunch, library technician, are shown checking over some of the record albums that are a part of this special display.

Happenings around NWC

General admission tickets have gone on sale for the upcoming concert by the Utah Symphony Orchestra that will be presented on the evening of Thursday, March 3, at the Center theater.

Tickets can be ordered by calling the Indian Wells Valley Concert Association, 375-5600, or purchased at the Station Pharmacy or in Ridgecrest at the Gift Mart and Music Man shop.

Prices are \$6 for general admission and \$3 for youths under 21 years of age, enlisted military personnel and senior citizens 65 or

Enlisted Club Dances Set

Pegasus, a popular rock band from Los Angeles, is scheduled to entertain at Enlisted Club dances tonight and tomorrow night, from 9 until 2 a.m.

Dinner special for tonight is shrimp and fried rice, while that for Saturday night will be prime rib — both served from 6 until 8:30.

The EM club has scheduled Disco night next Thursday, Feb. 10, from 9 to 12 p.m. Ted Mason will be the host.

Navy Recruiter Promoted Ed Moss, local Navy recruiter whose office is located in the Coso Center at 130-C S. China Lake Blvd., Ridgecrest, was promoted on Jan. 16 from yeoman 1st class

to chief petty officer in the Navy. Chief John Sharzer, who is in charge of the Navy recruiting station in Lancaster. directed the initation of Chief Yeoman Moss and five other new chief petty officers during a ceremony held at the Los Alamitos Naval Air Station.

Brown Bag Seminar

"Men's Consciousness Raising - What's In It For Me?" is the title of a talk to be presented at the Feb. 16 Brown Bag Seminar at 11:30 a.m. in the Sidewinder Room of the Community Center.

Featured speaker will be Jack Bradshaw of the Desert Counseling Center.

All interested men and women are invited to attend.

CPO Club Slates Dance

Horsefeathers, a contemporary rock group from Pomona, will play for a dance tonight from 9 until 1 a.m. at the Chief Petty Officers' Club.

The evening's dinner special will be prime rib, served from 6 until 9.

Inspection to be made of housing units on center

Throughout this month and next, the Public Works Department will be conducting an inspection of Naval

This inspection has been requested by the Naval Facilities Engineering Command in order to support present and future requests for funding, to correct deficiencies in maintenance, and to justify recommended improvement programs.

China Lake residents should be aware that while the inspectors are in their neighborhoods, they will be entering yards and also may climb up onto roofs to check existing conditions. It also is desirable that the inspector

be allowed to enter individual quarters (if someone is at home) to check for any maintenance deficiencies.

Since this inspection could result in additional funding that would enable the Center to improve the livability of homes at China Lake, the NWC Housing Office is hopeful that all residents will extend their cooperation to the inspectors.

Persons having any questions about this matter are asked to contact Bart Parker, housing manager, by calling NWC ext. 3122 or 2082.

Club.



America."

February 4, 1977

Fund drive launched to raise money for TV booster system

A communitywide membership drive, which is being held for the purpose of raising money needed for the maintenance, operation and improvement of the local television and FM radio booster system is off to a slow start, Bob Fletcher, chairman of the fund drive, reported earlier this week.

In the first week of the campaign, about \$300 was collected and the officers responsible for conducting the affairs of the Indian Wells Valley TV Booster, Inc., are hopeful that the pace for making contributions will pick up.

All local residents can do their part to support the community-owned and operated TV and FM radio booster system by sending donations of \$10 per household or \$5 per individual to P. O. Box 562, Ridgecrest. Such contributions are tax deductible, and checks should be made payable to "TV Booster."

The most immediate need is for \$5,000 to meet the system's maintenance needs during 1977. Next in order of priority for use of the money that is contributed will be the expenditure of \$8,000 to replace the Channel 28 translator that was damaged this past fall by lightening.

Taking into consideration funds collected but not spent in 1976, a goal of \$26,000 has been set for the current TV and FM radio booster system fund drive. However, whether or not other improvements that are proposed are made will depend upon the amount of money that is contributed by local residents.

Half of this total is earmarked as indicated above, while another \$8,000 is needed to provide a Channel 28 (educational TV) signal from B Mt. (not Laurel Mt. as at present) in order to serve local area residents who, because of their location, cannot pick up the Channel 28 signal. In addition, officers of Indian Wells Valley TV Booster, Inc., would also like to have another \$8,000 for the purchase of a spare translator that could be put into use immediately in the event of a major failure of one or another of the translators currently in use.

Sunday evening food service now being offered at CPO Club

A new Sunday evening food service will begin at the Naval Weapons Center this weekend, when, on Feb. 6, the CPO Club will inaugurate dining hours of 6 to 8:30 p.m.

In the past, the Commissioned Officers' Mess and the Chief Petty Officers' and Enlisted Clubs each provided this service, but due to a reduction in patronage it eventually had to be discontinued. An informal survey, however, has indicated that there is now a need for a Sunday evening dining spot.

A proposal was recently made to the NWC Command, and approved, for resumption of full Sunday evening food service at the CPO Club. Authorized patrons will include not only CPO Club members, but also members of the Commissioned Officers' Mess and official NWC visitors.

For planning purposes, reservations should be made with the CPO Club office by calling NWC ext. 3633 or 3634. A special buffet is planned for the initial Sunday dinner. Further information may be obtained at either of the above numbers.

Burroughs Adult School

enrollment still open

Enrollment in Burroughs High Adult School's spring semester classes has been extended until Feb. 25, it was announced this week.

A complete schedule of classes is available at the Center library and at the Kern County library in Ridgecrest, or can be obtained at the Adult School Office on the local high school campus.

Additional information can be obtained by calling Donna Kinkennon, the school secretary, at 375-4511, after 6 p.m.

AT PRAYER BREAKFAST - Eleanor Hartwig (back to camera) directed the Sweet Adelines chorus in the singing of three selections during the local observance of the 1977 National Prayer Breakfast. The numbers chosen for this occasion were

"Battle Hymnn of the Republic," "I Believe," and "This Is My Country." Arrangements for the breakfast, one of a multitude of similar events held across the nation, were handled by a committee under the direction of David Wirtz.

National Prayer Breakfast attended by 200

A good start for that day, or any day, was enjoyed by 200 people from the community who attended this year's local observance of the National Prayer Breakfast, which was held on Jan. 27 at the Chief Petty Officers'

Top officials of the Naval Weapons Center and members of various religious groups assembled for this event, which was one of hundreds like it held at federal government activities and military installations from coast-to-coast.

This now traditional program was founded by prayer groups in the U.S. Congress, and has been held here each year since 1971, Joseph S. Dinsmore, Jr., master of ceremonies, noted in his introductory statements. Locally, the Prayer Breakfast

was sponsored by the All Faith Chapel. Opening remarks were delivered by Rear Admiral R. G. Freeman III, NWC Commander, and the inspirational talk was presented by Capt. Frederic H. M. Kinley, Vice Commander. Other participants in the National Prayer Breakfast program were

Capt. Frederic H. M. Kinley YNC Frank Cruz, who gave the invocation; PR3 Nannette Outhier, who led the pledge of allegiance, and Robert Raful, who, for the scriptural reading, read a selection from the Torah - the Hebrew book of faith.

Music for the occasion included three vocal music selections that were sung by the Sweet Adelines' chorus, directed by Mrs. Eleanor Hartwig, and the entire assemblage joined in singing "God Bless

The closing benediction was delivered by Grant Williams, Jr., the Center's Deputy Equal Employment Opportunity Officer. During his opening remarks, RAdm. Freeman mentioned the origin of the National Prayer Breakfast, which provides an opportunity for this nation's leaders to gather together for fellowship and join in prayer for divine guidance. "This nation was founded on religion and we draw strength from it in time of stress," the Center Commander stated prior to reading a "Prayer for Our Country."

Central theme of the inspirational message presented by Capt. Kinley was the duty of adults as parents and teachers of today's children who are destined to become the next generation of American leaders.

"I would like to propose this morning, while each of us in his or her own way is asking for the help of God for our nation's officials, that we also reflect on our responsibilities to those who will follow us. Perhaps," the NWC Vice Commander said. "we can benefit our national leadership most by examining how and what we teach our children about those in whom we vest such great power each time we vote."

Target for Criticism It has become fashionable these days, Capt. Kinley observed, to find little, if anything, worthy of praise about this nation's government. "Yet," he continued, "our government is not a thing, 'it' is people just like you and you and me and it will, in time, be people just like our children."

"As we ask our leaders to serve as examples to all of us by demonstrating their respect for the simple virtues of truth, honesty and morality, we should even more humbly ask God's help for ourselves so that we may show to our children our own respect for these great bulwarks against temptation," he added.

This is a matter that has greatly concerned him, Capt. Kinley said, since he has learned that many of the kinds of violations that occur at NWC - ranging from burglary and petty larceny to vandalism and defacing property - are committed by juveniles.

"Is something missing? Have we parents lost control? Are we teaching our children wrong values? Are we unaware of how much they learn from us - good or bad? Are we genuinely concerned with properly discharging our responsibilities as parents so that our children gain the strength of character to be tough-minded and invincible to the temptations to be dishonest and malicious, or are we abdicating this



Master of Ceremonies

duty because it is easy to become too heavily involved elsewhere?" the speaker asked

"As we pray for God's help for our leaders and think our quiet thoughts about them, let us ask Him to help free us from hypocrisy and self-righteousness as we teach those who one day will be our nation's leaders," Capt. Kinley encouraged his listeners.

"I believe that our presence here this morning bears witness to our having the courage to ask God to bless our house, guide our leaders, protect us from dereliction, help us to teach our children as we ourselves have been taught, and to be worthy of our opportunities."

In closing, the NWC Vice Commander expressed the hope to all those within the sound of his voice that, as they prayed for this nation's leaders and at the same time for themselves and society, they also would concentrate on being better - better people, better citizens, better friends, and better parents - because, he said, "that is our birthright as children of God."

"Our children are the future. Let us take extreme good care not to mortgage that future too heavily lest we bankrupt our nation," he concluded.

College seeks grant for training solar energy technicians A grant to develop and test a 2-year

teaching curriculum for the training of solar energy technicians is being jointly sought by Cerro Coso Community College and two other community colleges.

Representatives of Brevard College in Cocoa Beach, Fla., and Navarro College in Corsicana, Tex., as well as from Cerro Coso ave been meeting in Texas to refine the \$1.5 million proposal for presentation to the National Science Foundation (NSF).

If approved for funding by NSF, the three colleges will develop jointly a solar energy technician teaching program. Its approval would make it one of the largest educational development grants awarded by NSF.

Because of having an ideal location with ample sunshine, it is believed Cerro Coso has an excellent chance of being selected as one of the development and test sites for the teaching program.

Students from outside as well as within the Indian Wells Valley would be eligible for the initial 2-year test of the curriculum, which is to be built around extensive use of instructional media materials.

Dr. Richard A. Dodge, dean of instruction at Cerro Coso, states, "It is an honor to be selected to participate in the solar energy technician program and indeed would boost the academic standing of our college."

"Most important," added Dr. Richard S. Meyers, president of the local college, "is that participation in the program would provide economic impetus in the community without a penny of cost to local taxpayers."