

Special Services Div. to sponsor scale model contest Feb. 25

Plans are moving ahead for a scale model contest for those who enjoy the hobby of building models of aircraft, ships, armored and non-military vehicles, and dioramas. This event, which is being sponsored by the NWC Special Services Division and the High Desert Scale Modellers Association, will be held on Saturday, Feb. 25, in the Friendship Room of the First Federal Savings Building, 111 N. Balsam St., Ridgecrest.

There is an entry fee of 50 cents per entry, or a maximum of \$1 for two or more entries. Fees are payable at the time the contestant registers his or her models between 6 and 9 p.m. on Friday, Feb. 24, and from 9 to 11 a.m. on Feb. 25.

Judging of the entries will take place between 11 a.m. and 1 p.m. on Feb. 25, and the show will be open to the public from 1 to 5 p.m. At stake in the contest will be trophies for the best of show entry in each age classification (9 yrs. and under, 10 through 13, 14 through 18, and 19 yrs. of age and over), as well as first, second and third place awards (gift certificates) in each of the seven major categories of the scale model contest.

Additional information can be obtained by calling Henry Blecha, after working hours, at 446-2346, or George Munro, 375-8654.

Desert Community Orchestra concert set at college tonight

Conductor Daniel Swern will lead the Desert Community Orchestra in a concert tonight at 8 at the Cerro Coso Community College lecture center.

A balanced program of favorite music has been planned, with the featured selection of the evening being the ever-popular Beethoven Fifth Symphony.

Other selections to be performed are the "Overture to Semiramide" by Rossini and the "Marche Slav" by Tchaikovsky. A special woodwind quintet coordinated by Gordon Trousdale will also play.

General admission for the concert is \$2 per person, with senior citizen, military, and student admission charges being \$1. Tickets may be purchased in advance at the Gift Mart and at Sports Inc. in Ridgecrest. They will also be available at the door this evening prior to the concert.

Theater to resume movie matinees on Saturday afternoon

Saturday afternoon movie matinees will be resumed at the Center theater on Feb. 25.

The theater doors will open at 1 p.m., and the show will begin at 1:30. The regular admission price of 75 cents per person will be charged.

All movies selected for showing at the Saturday afternoon matinees have been carefully selected for viewing by young people. Parents also can rest assured that adequate supervision will be provided at the theater.

The first movie scheduled for a Saturday afternoon is "Hawmps" on Feb. 25. Others are "Lost Horizon" on March 4, "Gus" on March 11, "Forever Young, Forever Free" on March 18, "Godspell" on March 25, and "Scalawag" on April 8.

Rock music group booked at Shuttle this weekend

"Pegasus," a rock music group from the Los Angeles area, will be playing for the dancing and listening pleasure of patrons at the Shuttle tonight and tomorrow from 9 p.m. to 1:30 a.m.

There will be a small service charge for admission on both nights.

The Shuttle is continuing its hot line buffet lunch, Monday through Friday from 11 to 1 p.m. Dinner is served on Tuesdays, Wednesdays, and Fridays from 6 to 8 p.m.



FIRST SALE — Sharon Zabel (l.) and Vicky Crume, co-chairpersons for the event, sell the first ticket for the semi-formal WACOM Spring Ball to Joan Giuliani. The ball will be held Saturday, April 8, at the Commissioned Officers' Mess and is open to all members of the COM. The evening will feature a social hour at 7, dinner at 8, followed by dancing to the music of the Ed Frezza Band. Tickets, priced at \$15 per couple, may be ordered by calling Jeanne Davis, ph. 446-2288, or Gunnilla Giegerich, ph. 375-5970.

James Brown, 'soul music king,' to perform twice at theater on Tues.

The distinctive musical sounds of James Brown, whose numerous hit records have skyrocketed him to the top of the popularity charts, will reverberate throughout the Center theater during two performances that have been scheduled at 6 and 9 p.m. on Tuesday.

Brown, whose electrifying style of delivery and personal magnetism and energy have earned him the title of "King of Soul Music," will be accompanied here by a



James Brown

back-up group of singers, dancers, and instrumentalists for this big event that is being sponsored by the NWC Special Services Division.

Tickets to see and hear this world-famous performer, whose record sales and personal appearances have earned him top billings in all parts of the U.S., as well as in Europe, Asia and Africa, are priced at \$5 for general admission and \$4 for active duty military personnel and their dependents.

The military discount tickets can be obtained at the Community Center, the Commissioned Officers' Mess, the Chief Petty Officers' Club and at The Shuttle.

Renowned Kingston Trio to play March 3 at COM

The renowned and popular Kingston Trio will be appearing in two shows at the Commissioned Officers' Mess during a special dinner show on the evening of March 3.

A prime rib dinner will be served from 6 to 9 p.m., with music for dancing beginning at 8 p.m. Showtimes for the Kingston Trio will be 10 p.m. and midnight.

Tickets, priced at \$12.50 per person for both the dinner and show, can be obtained by calling the COM, ph. 446-2549, for reservations. There will be approximately 250 seats available.

(enlisted club).

Regular admission tickets also can be obtained at the above-mentioned locations, as well as at the Youth Center, bowling alley, golf course pro shop, and at the Special Services office in Bennington Plaza.

In addition, tickets to the James Brown show also are on sale at the Center theater box office during regular movie hours, and in Ridgecrest at the Gift Mart and at Deboni's Ice Cream Parlor.

The patented James Brown sound is described as "the low-down funk of the blues and high flying emotion of gospel coming together in one volatile mixture," but whatever it may be to different people, the result of his musical versatility and supercharged energy has been a trail of gold (million-seller) records and music industry honors which defy comparison.

Brown, who is well into his second decade at the top of his profession, was one of the first black singers to go on road tours, and he now keeps busy with such performances more than 300 days a year. At the same time, he acts as songwriter, arranger, choreographer and even clothes designer for the entire cast of his show.

It has been nearly 20 years since his first million-seller gold record, but recording activities are now just a small portion of his busy and far-ranging career.

It is as a live performer that Brown's fame has really spread throughout the world, and local area residents will have the opportunity to see for themselves on Tuesday night just what it is about James Brown that has made him one of the premier vocal music performers of his day.

Tickets on sale for CPO Club Military Ball planned Feb. 25

Ticket sales are continuing for the annual CPO Club Military Ball which will be held on Saturday, Feb. 25, beginning at 6 p.m. Tickets may be purchased from 7:30 a.m. to 4:30 p.m. at the CPO Club.

Honored guests will be RAdm. William L. Harris, NWC Commander, and his wife, Jean; Capt. F. H. M. Kinley, NWC Vice Commander, and his wife, Priscilla; and Capt. Leonard E. Giuliani, Commanding Officer of VX-5, and his wife, Joan.

CPO Club members are encouraged to purchase tickets (priced at \$10 per person) as soon as possible in order to be sure of obtaining the number of tickets they need.

A prime rib dinner special will again be served tonight at the CPO Club from 6 to 9 p.m., and there will be music for dancing from 9 to 1 a.m.

SHOWBOAT

MOVIE RATINGS The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children. (G) - ALL AGES ADMITTED General Audiences (PG) - ALL AGES ADMITTED Parental Guidance Suggested (R) - RESTRICTED Under 17 requires accompanying Parent or Adult Guardian Regular starting time—7:30 p.m. Program subject to change without notice. For further information call NWC ext. 2259

FRIDAY 17 FEBRUARY

"THE SHAGGY D.A." (92 Min.)

Dean Jones, Tim Conway (Comedy) This is a follow-up to the misadventures that Wilby Daniels endured in the very popular film "Shaggy Dog." Back in 1959, Wilby was a teenager who got into hairy situations when an ancient ring transformed him into a sheep dog. In this hilarious sequel, the teenager has matured into a civic-minded citizen. Dean Jones, a lawyer whose past catches up with him and he is once again transformed — this time into the "Shaggy D.A." (G)

SATURDAY 18 FEBRUARY

"THE ISLAND OF DR. MOREAU" (105 Min.)

Burt Lancaster, Michael York (Horror Drama) Burt Lancaster is an injection-happy scientist who conducts tests on humans and animals on a remote Pacific Island. Michael York is washed ashore after a shipwreck and falls in love with a girl he meets there. York suspects sinister goings-on when he finds the island populated with half-men, half-animals — the results of half-successful experiments by Lancaster. York attempts to escape with the girl, but Lancaster turns the needles on him. However, the human animals, whom Lancaster has taught not to spill blood, realize that they have been deceived and stage a bloody rebellion. (PG)

SUNDAY 19 FEBRUARY

"HUGHES AND HARLOW" (102 Min.)

Victor Holchak, Lindsay Bloom (Biographical Drama) Howard Hughes and Jean Harlow, two of the most exciting and controversial figures of modern times, are depicted during the year the pair spent making the most expensive motion picture ever made up to that time. Holchak (Hughes) is the billionaire industrialist determined to make his mark as a movie maker in Hollywood. Bloom (Harlow) is the platinum blonde who was a bit player until Hughes made her a star. (R)

TUESDAY 21 FEBRUARY

Special Services Division Presents

JAMES BROWN

"King of Soul Music" 6 and 9 p.m.

WEDNESDAY 22 FEBRUARY

(Animated Fantasy) Ten million years from now the earth is ruled by wizards and civilization has been destroyed by atomic warfare. Many survivors are deformed mutants. The other inhabitants are elves, fairies and goblins. Twin brothers, who are both wizards, represent the epitome of good and evil as antagonists. The wizards pit good magic against evil technology, and the forces of magic eventually triumph over the malevolence of misused technology. (PG)

FRIDAY 24 FEBRUARY

"THE ENFORCER" (96 Min.)

Clint Eastwood, Harry Guardino (Action-Drama) This film is another in the "Dirty Harry" series. Eastwood is transferred from the homicide bureau and finds himself assigned to work with a female cop (Tyne Daly). He overcomes his male-chauvinist attitude when she proves to be an able partner and he mourns her death when she is killed when backing him up while freeing the kidnapped mayor of San Francisco. (R)

SATURDAY 25 FEBRUARY

"HAWMP" (113 Min.)

1:30 p.m. Matinee

Chris Connelly, James Hampton

(Comedy) This film is a comedy about a pre-Civil War Army experiment to determine the feasibility of replacing the U.S. Cavalry horses with camels. Hampton is an Army lieutenant who is assigned to train the camels for use in a desert section of Texas. This movie is based on fact. (G)

U.S. Government Printing Office: 1978-113

From: _____ To: _____ PLACE STAMP HERE

In Optics Shop

Work to tolerances of less than millionth of inch routine

Precision takes on new meanings when tolerances of less than a millionth of an inch become important.

And such precision is a regular consideration in the Naval Weapons Center Optics Shop under the direction of Joseph J. Shaffer.

Lenses, prisms and mirrors are the primary products of the Optics Shop, with work ranging from an emergency "quick fix" of a mirror or lens needed for a flight test (sometimes with the aircraft warming up on the ramp while the needed piece is produced), to one-of-a-kind products needed for specialized research projects that take many months of painstaking work while actually pushing the state of the optics art.

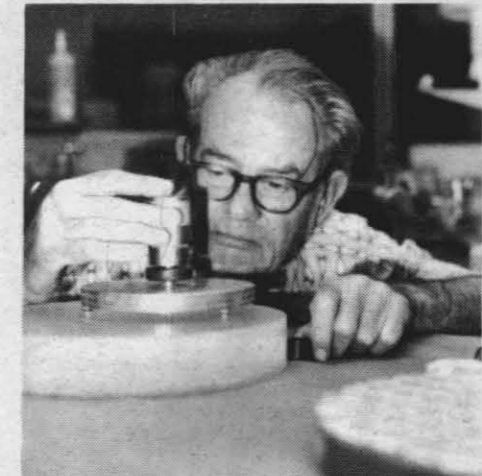
Other Work Welcome Although the shop is part of the Advanced Optics Technology Branch of the Physics Division of the Research Department, work from any Center project or program is welcomed.

The Optics Shop is located in Lauritsen Laboratory; in fact, it was planned as the first tenant of the laboratory, with special facilities designed to enhance the working environment of the shop.

For instance, the air must be totally dust-free. Even a single grain of grit coming in through the air conditioning system or from out of doors could destroy an optical surface that called for months of work. Compressed air had to be available to run pieces of equipment used. The power source had to be constant and unvarying because many of the polishing machines run 24 hours a day. And the room layout had to be such that one man could run the shop since Shaffer is the only person ordinarily working there. (When special needs arise he has been able to bring in Ralph Dietz as a W.A.E. Dietz had been in charge of the Optics Shop until his retirement in 1972 when Shaffer came to work at China Lake as his replacement.)

Shaffer, who is always available for telephone consultation at NWC ext. 3168, emphasizes that many of the queries deal with the feasibility of requirements that scientists or engineers have. The question is often whether the optics state of the art can meet the demands which they see for their projects or research. He is able to accept much of the work over the telephone (along with the needed job order), and then proceed without further delay. "We try to keep the paperwork as simple as possible,"

he says. Usually work on a new lens or prism or mirror begins in the roughing room. The diamond saws here are used for



CAREFUL WORK — Ralph Dietz examines an 11-in. concave mirror which needs to be super smooth. Tolerances demanded in optical work can be as minute as less than a millionth of an inch, with a mere thousandth of an inch being considered as "rough." —Photo by Ron Allen

cutting glass—the diamond being in the form of powdered industrial black diamonds or bort, which is pressed into the rim of the saw blade. It is surprising to most people that such a blade can cut glass but not fingers.

On hand is an ultrasonic Raytheon impact grinder which is delicate enough so that it can drive a brass pin through glass—the most practical way, in fact, to make a minute hole which is sometimes required. A mill ("just like a flour mill") is used with loose abrasive to shape pieces of glass, and a surface grinder produces surfaces that are flat and parallel.

More Diamond Saws Used The generating room, which comes next, features more diamond saws. One of these operates at such a slow speed that it will not produce subsurface damage to delicate glass. (The term "glass" is used throughout this article for convenience. Actually glass, calcium fluoride, sapphire, quartz and other materials are all cut and polished in the Optics Shop.)

It is in the generating room that the initial curves are cut into the surfaces to be (Continued on Page 4)



Naval Weapons Center China Lake California

February 17, 1978 Vol. XXXIII, No. 7

Navy property annexed to IWV Water District

Annexation of a sizable segment (2,240 acres) of the Naval Weapons Center housing area to the Indian Wells Valley County Water District was approved unanimously during last Monday night's meeting of the district's board of directors.

There were no protests, either written or vocal, Dave Hamilton, water district manager, reported. The only action to be taken to culminate this matter is for Ivan Hopkins, the district's legal counsel, to notify the appropriate county and state agencies of the water district's new boundaries.

Such information is to be sent the board of supervisors, planning departments and Local Agency Formation Commissions of Kern and San Bernardino Counties, and also to the State of California.

The area that has been annexed to the Indian Wells Valley County Water District is bounded on the west by N. China Lake Blvd., on the east by the Kern-San Bernardino County line, on the south by E. Ridgecrest Blvd., and on the north the boundary extends (in most places) along Halsey Ave.

Conditions Imposed by Navy Conditions imposed by the Navy on the annexation are as follows:

- (1) No costs or obligations are incurred by the federal government now or in the future as a result of the annexation. (2) The Department of the Navy does not incur any costs or obligations as a result of the transfer of ownership of NWC excess properties. (3) The Naval Weapons Center reserves the right to continue serving water to properties in the annexed area that remain under Navy ownership. (4) Should NWC require that the Indian Wells Valley County Water District serve water to the Navy property within the annexed area, or to a portion thereof, agreement thereon will be negotiated in accordance with prevailing water district practices and procedures.



AFTERMATH OF STORM — A massive dose of work lies ahead for employees of the Public Works Department's Transportation Division as they carry out tasks necessary to repair NWC range area roads that were damaged by the recent rainstorms. This photo was taken near G range at the turnout to Burro Canyon. —Photo by Tom Carter

Speaking activity by William Haley concludes Black History Week here

The annual observance of Black History Week, Feb. 4-10, ended last Friday with a whirlwind of speaking activity by William Haley, son of Alex Haley, famous author of "Roots."

The younger Haley, who is a career Army man specializing in human relations, began his day by addressing more than 1,000 Sierra Sands Unified School District students at the Center theater.

Then, after visits to James Monroe Junior High School in Ridgecrest and to Cerro Coso Community College, he joined a crowd of more than 250 persons at the NAACP / NWC Black History Week dinner and dance, which was held at The Shuttle (Enlisted Club).

Throughout the social hour that preceded dinner, the crowd was entertained by Willie Gene Jefferson, a popular black magician from Bakersfield, who kept the audience alternately amused and spellbound by his routine.

During the fast-moving opening portion of

the dinner-dance program, Grant Williams, NWC's Deputy Equal Employment Opportunity Officer, introduced the honored guests at the head table. In addition to Haley, special speaker of the evening, the list included Rear Admiral William L. Harris, NWC Commander, and his wife, Jean; Mrs. Priscilla Kinley, wife of Capt. F. H. M. Kinley, NWC Vice Commander; Mrs. Luverne Hillyer, wife of R. M. Hillyer, NWC Technical Director, and officers of the Indian Wells Valley Chapter of the National Association for the Advancement of Colored People.

In addition, Williams recognized various NWC department heads who were in attendance, as well as all members of the NWC Black History Week Committee, which was headed by Glenda Cubit.

Haley was introduced by Williams as a warm, caring and committed person concerned with equality for all. The speaker outlined the genealogy of his family as told

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INSIDE... Old Dispensary Being Remodeled... 2 National Engineers' Week... 3 Surplus Property Auction Slated... 4 Farewell Fete for Herrmanns... 5 Sports... 6 Fire Chief Knight To Leave... 7 'Soul Music King' To Perform... 8

Rainfall record for valley set by latest storm

The latest storm of the winter season, which began on Wednesday of last week and continued through this past Friday, dropped a record high 2.25 in. of rain on the Naval Weapons Center and the surrounding Indian Wells Valley.

This, according to John Gibson, civilian weather forecaster employed by the Naval Weather Service Environmental Detachment, is the most rainfall recorded here during a single storm since May 1945.

The 3-day storm (from Wednesday night, Feb. 8, through Friday morning, Feb. 10) was augmented by additional rainfall that left soggy conditions over the past weekend.

For a time last Friday, washouts on roads leading to the Indian Wells Valley — some as close as just outside the town of Inyokern and others in Red Rock Canyon or beyond Walker Pass — made travel into the valley impossible by highway.

Normal Rainfall Far Exceeded Rainfall is measured by the calendar year, and the normal for this area is 2.89 in. per year, Gibson stated. However, last year, aerologists at the NWC airfield recorded 6.15 in. of rain, and since Jan. 1, 1978, the amount of rainfall has totalled an additional 4.86 in.

From mid-December until the present time, nearly 7 in. of rain has poured from the desert skies over NWC and the Indian Wells Valley, Gibson added. He expects, he said, that the comparatively mild winter weather will continue, since the valley hasn't been getting any major weather troughs of the type that usually come through here in the winter and bring with them cold winds from the polar regions.

Capt. R. B. Wilson, head of the Public Works Department, made a survey by helicopter of the flood control channels that were built since 1969 to insure that runoffs from flash floods or steady rainfall would not present a problem, and found that everything was working well.

Prior to the heaviest rains of last week, (Continued on Page 5)

Burros cagers lose season finale to Antelopes, 76-61

Burroughs High School's varsity basketball team closed out its 1978 Golden League season with a 76-61 loss to the visitors from Antelope Valley High School in Lancaster last Saturday night at the Burros' gym.

The defeat, which was the fourth in a row for the local high school hoopsters, left them with a record of 3 wins and 8 losses in league play. A game which had been scheduled in the BHS gym last Friday night against Quartz Hill was cancelled because of rain flooded roads that made it impossible for the visitors to get here.

In their previous encounters with these two teams, the Burros defeated the Quartz Hill Rebels in the league season opener on Jan. 3, 62-49, but then lost three nights later to the Antelopes by a final tally of 75-56.

Burros Play Good Game

Playing before their hometown fans last Saturday night, the BHS cagers held their own for the first two periods of play, but couldn't match the scoring punch of Antelopes in the second half.

The Burros got off to a 4-0 lead in the low-scoring first quarter. The score was tied three times in the opening period, which ended with the Antelopes in the lead, 13-12, following a shot by Richi Drake of Burroughs that dropped in just as the buzzer sounded to end the first 8-min. of action.

Scoring Pace Picks Up

The scoring pace by both teams was picked up a bit in the second quarter during which the Burros never trailed by more than 3 points, tied the score at three different times, and (with 1 min., 4 sec. remaining before the halftime intermission) held a short-lived 27-26 lead.

The Antelopes were back on top, 32-29, at the midway point in the game, however, but it was their free throw shooting ability that made the difference. A look at the stats showed that the visitors had cashed in on 14 charity tosses, compared to just 3 for Burroughs in the first half. In field goals, however, it was the Burros who led the

(Continued on Page 7)

Close-scoring games played in Div. C of Intramural League

Close-scoring games were a hallmark of last week's action in Division C of the China Lake Intramural Basketball League.

The Wild Bunch and Team "W" played and won two games each to remain tied for the Division C lead with season records of 8 wins and 1 loss apiece.

The Wild Bunch outflanked the Renegades by the narrow margin of 52-50, and then squeaked past Team "X" in a low-scoring game, 28-26.

Team "W" edged the Jokers, 30-28, and posted a 31-21 win over the Gasbags.

In the only other Division C game played last week, the Medicine Men put the hex on the Lobos, 38-35. Next week's slate in Division C is as follows:

Tuesday, Feb. 21 — Team "W" vs. Wild Bunch, 6 p.m.; Renegades vs. Medicine Men, 7:15 p.m., and Lobos vs. Gasbags, 8:30 p.m.

Wednesday, Feb. 22 — Renegades vs. Gasbags, 6 p.m.; Team "X" vs. Team "W", 7:15 p.m., and Jokers vs. Wild Bunch, 8:30 p.m.

Thursday, Feb. 23 — Team "W" vs. Medicine Men, 6 p.m.; Lobos vs. Wild Bunch, 7:15 p.m., and Team "X" vs. Jokers, 8:30 p.m.

Intramural League Basketball Standings			
Division C			
Team	Won	Lost	
Wild Bunch	8	1	
Team "W"	8	1	
Renegades	6	3	
Lobos	3	6	
Gasbags	2	5	
Medicine Men	3	5	
Jokers	2	6	
Team "X"	2	7	



TWO POINTS COMING UP — Tony Boulden (with ball) of the Devils Guns worked his way past Gary Ziegler, of Loewen's, to drive in for what appears to be an easy basket during the intramural league championship game played last Saturday night at the Center gym. In good position to grab a rebound is Kelvin McSwain (at right), another player for the Devils Guns, while Scott Shacklett, of Loewen's, can be seen hustling up from the left. The Devils Guns won the game and the league title by a score of 66-45. —Photos by Ron Allen

Devils Guns defeat Loewens to win Intramural Basketball League title

The Devils Guns, an all-military team entered in Division A of the China Lake Intramural Basketball League, snapped up the league championship in the title-deciding contest played last Saturday evening at the Naval Weapons Center gym.

Coming on strongly at the end of regular season play, the Devils Guns had ended up tied with Loewen's for the Division A lead with a 9-3 record.

When the chips were on the line for the intramural league title, however, the Devils Guns salted away a 66-45 win over the Loewen's squad.

The score was close from the opening tip-off with seldom more than 3 points separating the two teams until the final minutes of the game, when the Devils Guns were able to capitalize on mistakes made by their opponents and pulled away to win by a final margin of 21 points.

Closing Minutes Make Difference

Midway through the game, the Devils Guns led 23-19, but it was John Spells of the Devils Guns, who suddenly began penetrating the middle of the Loewen's defense and getting off shots from close in around the key, who provided the all-military team with the points needed to clinch the win in the final minutes of the contest.

Spells, who tallied 15 points for the Devils Guns, accounted for 10 points in the last 3 to 4 min. of action. The game's high point man was Tom Flornoy, also of the Devils Guns, who chalked up 18 points. In addition, Tim Cornelius and Kelvin McSwain had 10 apiece for the league champs.

The Loewen's team was led in the scoring department by Scott Shacklett, who tossed in 12 points.

In the single elimination play-offs that Annual meeting slated by China Lake Tennis Club

The China Lake Tennis Club will hold its annual meeting and election of officers on Thursday, Feb. 23, at 7:30 p.m. in the Community Center.

Slides of last year's tennis activities will be shown, and refreshments will be served. Anyone interested in tennis is welcome.

Those seeking further information may contact Steve Leyda, president of the Tennis Club, by calling NWC ext. 3113.



Recreation Round-up

Trophies presented to winners of men's racketball tourney

Four trophies were presented to the winners of the doubles racketball tournament for men, which was held last Friday, Saturday and Sunday at the Naval Weapons Center gym.

In the open division for advanced players, trophy winners were the team of Craig Rae and Kirk Hoffer. They had to go all out to defeat Les Saxton and Tom Dodson, 21-19, in the first game of a best two-out-of-three championship series, but then clinched the title with a 21-14 win in the second game.

Winners of the intermediate division were Hiram Moore and Ron Derr, who were opposed by Mike Pangle and Steve Livingston in the championship match. Moore and Derr romped to a 21-6 win in the first game and then posted a 21-12 victory in game No. 2.

Help Needed by Little League

In preparation for the start of the China Lake Little League's 1978 season, managers and coaches are needed for teams in the Minor Division (for youngsters 9 through 12 years of age) and in the Farm Division (for youths 8 through 10 years of age).

In addition, Little League officers are looking for volunteers who are willing to lend a hand to help get the baseball diamonds ready for the coming season of play, and umpires also are needed.

Interested persons are asked to contact either Henry Blecha, at NWC ext. 3643 or 446-2346, or Dick Johnsen, at NWC ext. 2400 or 446-2381, as soon as possible.

More About Racketball

A 10-min. grace period is now in effect on all reservations that are made for use of the Center's racketball courts. This means that all those who reserve a racketball court for a certain time, but who do not show up by 10 min. past the hour, will lose their reservation.

Over-Hill Track Club announces plans for 8-mile run Feb. 25

Preparations are moving ahead for the next Over-the-Hill Track Club-sponsored event, which is to be a Washington's Birthday run on Saturday, Feb. 25.

Check-in time at the Desert Empire Fairgrounds in Ridgecrest is 9:30 a.m., and the race itself — a distance of 8 miles (two laps around a well-marked, flat, paved road course) — will begin at 10:30.

The popular Portsmouth start system will be used which allows sizeable handicaps (head starts) for joggers and slower runners.

A large number of out-of-town entrants from throughout southern California are expected to compete in this event, including Regina Schuetze, a nursing student at Cal-State University in Long Beach, who will be back to try to break her own women's record which she set here for the 8-mile run.

Miss Schuetze recently ran a swift 3 hr., 5 min., marathon at Mission Bay in San Diego, and was one of the top women finishers in that event.

For the first time in this, the fourth annual Washington's Birthday run, awards will be given to the top two husband and wife teams — based on their combined running times.

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TROPHY PRESENTED — Greg Robbins (in center) and Kelvin McSwain, co-captains of the Devils Guns, accept the team championship trophy on behalf of the Devils Guns. The presentation to the China Lake Intramural Basketball League champs was made by Doug Nelson, NWC athletic director.

VX-5 selects AA Mary Kapler as Sailor of Month for January

Airman Apprentice Mary A. Kapler has been selected as the Sailor of the Month for January by Air Test and Evaluation Squadron Five.

AA Kapler is assigned to duty in the VX-5 Printing and Graphics Shop. Here she works with the press, the platemaker, and collater, and has even been able to take care of some repairs on them although she has not had formal schooling for this work.

In the letter of commendation written to her by Capt. L. E. Giuliani, Commanding Officer of VX-5, he notes the "Your performance, while always of a high caliber, was exceptionally noteworthy during January when you were required to handle all printing responsibilities by yourself for a period of 10 days. During this time you completed all job requests in a most courteous and expeditious manner. The final product of your efforts reflected your high level of professionalism."

AA Kapler claims Kansas City, Mo., as her home town. She was graduated from Raytown High School before joining the Navy 10 months ago. She entered the Navy with the thought in mind of learning a trade and doing some traveling. ("Having a cousin who was a Navy recruiter had something to do with it, too," she adds.)

When detailed to China Lake after two months of boot training at Orlando, Fla., she says that she thought that this would be some sort of a resort spot, and was hoping to do some water skiing on the lake.

AA Kapler adds with a smile that she



AA Mary A. Kapler

guesses she'll have to learn how to ski in snow instead.

For her selection as Sailor of the Month for VX-5 AA Kapler will receive a 96-hour liberty pass and a free dinner for two at The Shuttle.

Meet candidates night program to be held Wednesday

A meet-the-candidates' night program, which will provide the opportunity for all interested Ridgecrest residents to size up the 12 candidates for two vacancies on the Ridgecrest City Council, will be held on Wednesday, starting at 7:30 p.m., at the Las Flores School auditorium.

Robert Rafal, dean of community services at Cerro Coso Community College, will serve as moderator for the evening.

Following brief remarks by each of the candidates, there will be an opportunity for members of the audience to question those seeking election to the city council.

The candidates are: Ted Edwards, mayor, and Florence Green, another incumbent who is seeking re-election; Al Pena, Rick McDonald, Every Jo McClendon, Roy (Chick) Bowling, Harold Hockett, Ben Hartman, June Pelletier, Jeff Grossman, Homer Witwer and Anthony San Miguel.

The candidates' night program is being sponsored by the East Kern County Chapter of the American Society for Public Administration, the Indian Wells Valley Chapter of Federally Employed Women, the Kern Desert Business and Professional Women's Club, the China Lake-Ridgecrest Branch of the American Association of University Women, the Junior Women's Club, and the Ridgecrest Lions Club.

Black History...

(Continued from Page 1)

in the book "Roots," showing his direct lineage back to the "African" Kunta Kinte.

After answering questions about "Roots," Haley then launched into a discussion of affirmative action and equal opportunity. He pointed out the fact that equal opportunity is a concept as old as the nation itself, and that it is a good management principle to hire the best, but he stressed that both equal opportunity and affirmative action is the law. He also underscored the fact that affirmative action is not reverse discrimination.

Haley held the audience virtually spellbound for 45 minutes, and was interrupted several times with applause.

At the conclusion of his talk, the guest speaker was the recipient of a certificate of appreciation and an NWC plaque that were presented to him by Radm. Harris.

The evening's festivities then continued with dancing and listening to the music of the "Federal Choice," a combo with singer from the Los Angeles area.



NATIONAL ENGINEERS' WEEK PROCLAMATION SIGNED — The period of Feb. 19 through 25 has been designated National Engineers' Week in the Indian Wells Valley in a proclamation that was signed by Capt. F. H. M. Kinley (seated at left), Vice Commander, on behalf of Rear Admiral William L. Harris, NWC Commander. Examining the proclamation with Capt. Kinley is Ted Edwards, Mayor of Ridgecrest, who joined him in signing it. Representatives of local chapters of engineering societies who were present for the occasion were Ray Van Aken (seated at right), of the American Institute of Aeronautics and Astronautics, and standing (l.-r.) Wally Parmenter, of the American Society of Mechanical Engineers; Bill Marsh, of the Society of Manufacturing Engineers, and Dave Brown, of the Institute of Electrical and Electronic Engineers. Parmenter and Marsh are also members of the American Society for Quality Control.

National Engineers' Week to be observed Feb. 19-25

National Engineers' Week, scheduled this year during the period from Feb. 19 through 25, will be observed locally by a dinner on the evening of Tuesday, Feb. 21, at the Commissioned Officers' Mess, and a Soldering Technology Seminar during the day on Thursday, Feb. 23, at the Community Center.

The day-long seminar will be followed on Friday, Feb. 24, by a laboratory session at the Center's Soldering Technology Branch facilities.

The NWC Engineering Department's Soldering Technology Branch, headed by Jim Raby, will host the seminar. Experts from around the country will gather here to discuss state-of-the-art advances in support of the NWC, Department of Defense and industry soldering program.

Some of the principal speakers at the seminar, and their topics, are: Harold Peacock, from the Production Engineering Support Office in the Office of Secretary of Defense, "Cost Effective Soldering"; Jerry Higgins, of Alpha Metals, "Soldering Contamination and Impurities"; Richard Johnson, of Hexacon Electric, "Heat Application and Transfer"; Joe Keller, of Motorola, Inc., "Maintaining Printed Circuit Board Solderability During Shelf Life," and John Pulliam, of Texas Instruments, "Solderability Preparation

Before Flow Solder." Interested persons can obtain additional information about the seminar, or make arrangements to attend it, by contacting Jim Raby, phone NWC ext. 3846 or 3243.

Tickets to the Feb. 23 dinner are priced at \$7 in advance or \$8 per person at the door. They can be ordered by calling Elaine Jenne, at NWC ext. 3243 or 3846, or Tony Miller, ph. 446-3501.

Also on tap during National Engineers' Week will be a beer bust for all scientists and engineers in the local area. It will be held on Washington's birthday (Wednesday, Feb. 22), from 4:30 to 6 p.m. at the Chief Petty Officers' Club. No reservations are required for this party, which is being sponsored by the Desert Empire Chapter of the California Society of Professional Engineers.

To Discuss Solar Energy Dr. Clinton's talk on "Present Applications of Solar Energy" will include remarks on the history and future of solar energy applications, as well as information on some commercially available and home-built devices.

He will address a joint meeting of members of the High Desert Engineering Association (hDEA), which will begin with a social hour prior to a prime rib dinner that is to be served at 7 p.m. The talk by Dr. Clinton is slated at 8 o'clock.

Master of ceremonies for the evening will be Ray Van Aken, head of the Aeromechanics Division in the NWC Systems Development Department. The program will also feature remarks by Ted Edwards, Mayor of Ridgecrest.

The association (hDEA) is composed of nine engineering societies represented either by local sections or chapters or by interested members.

Dinner Tickets Available Tickets to the Engineers' Week dinner at the COM are priced at \$7.50 per person (if ordered in advance) and also will be available at the door Tuesday evening at a cost of \$8.50 per person.

Those wishing to obtain their tickets ahead of time can do so by calling Tony Miller, ph. 446-3501; Bruce Bartels, NWC ext. 3421, or Cliff Stine, NWC ext. 3741.

In conjunction with hDEA's observance of National Engineers' Week, the Sierra Sands Section of the American Society for Quality Control and the Naval Weapons



MEMENTO OF VISIT — An NWC plaque and a certificate of appreciation were presented by Rear Admiral William L. Harris, NWC Commander, to the guest at the dinner-dance which climaxed the local observance of Black History Week, Feb. 4-10. The recipient was William Haley, son of Alex Haley, famous author of the best selling book "Roots." —Photo by Ron Allen



Photos by Ron Allen



BLACK HISTORY WEEK OBSERVED—This camera's-eye view captured a cross-section of many and varied activities which were held at the Naval Weapons Center during the annual observance of Black History Week, Feb. 4-10. Among honored guests at the head table for the dinner and dance held last Friday night at The Shuttle were (top photo, l.-r.) Mrs. Priscilla Kinley, William Haley, the featured speaker, Mrs. Jean Harris, RADM. W. L. Harris, NWC Commander, Mabel Hawley, chairperson of the dinner-dance, and her husband, William. A two-part presentation on Afro-American history from 3000 BC up until now was

delivered by Grant Williams (upper right photo), NWC's Deputy Equal Employment Opportunity Officer, on Feb. 6 and 7 at the Community Center. Looking over a portion of the art show and African art exhibit that was set up on Feb. 8 at the Community Center are (lower left photo) Eloy Dominguez and Glenda Cubit, chairperson of Black History Week, while at right may be seen the participants in a poetry reading session entitled "I Am the Darker Brother." Those who took turns reading the works of some notable black authors were (l.-r.) John Haywood, Florence Green, Ava McClendon, Steve Nixon and Nona Celestine.

Optics Lab handles precision work...

(Continued from Page 1) finished. Here also is the cylinder grinder used for optically centering lenses.

Shaffer casually notes that small tolerances don't really enter into the work in the generating room since there things only need to be cut to an accuracy of a thousandth of an inch.

When the material to be prepared leaves the generating room it goes next to the blocking room where pieces that must have special handling are mounted in either plaster or pitch so they can be ground or polished more readily.

At this stage, grinding then takes surface tolerances to a ten-thousandths of an inch before materials are moved to the polishing room where they are polished to tolerances of a millionth of an inch.

The polishing room looks like it is being run by a series of invisible elves. The bowl polishers move automatically day and night. Some special shapes — such as toroidal (doughnut shaped) mirrors— need up to six months of continual polishing.

The device creating the toroidal shape mirrors used for various research purposes, was co-invented by Shaffer, who jointly hold the patent on it.

Bus trip to Las Vegas planned on St. Patrick's Day

A St. Patrick's Day special bus trip to and from Las Vegas has been arranged by the Special Services Division.

The bus will depart from the Community Center at 12:30 p.m. on Friday, March 17, and the return trip from Las Vegas is scheduled to start at 1:30 p.m. on Sunday, March 19.

"Leave the driving to someone else" is the suggestion of Special Services Division officials, who note that for the price of \$59.99 per person those taking advantage of this offer will receive transportation, a stay of three days and two nights at the Stardust Hotel, and a book containing coupons valued at approximately \$40.

Additional information can be obtained by calling Art Amos, manager of the Community Center, at NWC ext. 2010.



CHECKING THE WORK — Joe Shaffer checks prisms imbedded in a plaster compound to hold them in place for surface polishing in the bowl feed polisher seen above. The bowl feed polishing devices run 24 hours a day to produce the finished surface sought on lenses, prisms, and mirrors. —Photo by Ron Allen

Washington's Birthday sale scheduled at NEX

The main store of the Navy Exchange will feature a special sale in honor of Washington's birthday today and tomorrow only. Flyers are available in the store listing prices for anyone who might wish to plan purchases ahead.

Sale items include plastic and aluminum ware, 50-piece stainless flatware sets, sporting goods, hardware, and, for those with a sweet tooth, candy of all sorts.

Assorted cotton crawlers in 6- to 24-month sizes are featured for the young set, as are girls' knit tops in sizes 4 to 6X, small, medium, and large.

Of particular interest to women are women's pants and shirts (both long and short sleeve styles), pullover knit tops, and hypoallergenic pierced earrings.

Employee Services Board has smoke detectors for sale

The Employee Services Board announces that it has on hand smoke detectors for sale to Centerites who wish to protect themselves in case of home fires.

These devices are a portable type that can be removed and taken along whenever the owner moves to a different dwelling, and are rated by the Consumer's Union as the No. 1 household accessory of their kind. They can be purchased for \$29.50 each, a saving of nearly 40 percent over the usual retail price.

Those interested in purchasing the devices may do so between the hours of 7 and 9:30 a.m. and 1:30 to 4 in the afternoon at the office of the Employee Services Board, Rm. 25 in the Housing Building. Checks for the correct amount should be made out payable to the Employee Services Board.

NWC Fire Division personnel at both the main fire station (corner of Halsey and Lauritsen) and Fire Station 3 (at the airfield) will be happy to provide instruction on installation of these devices to Center military and civilian personnel.

Those seeking further information about the smoke detectors can call the ESB at 446-6436.

Over 150 items up for sale at auction of surplus property

More than 150 different items, ranging from electric typewriters and calculators to office furniture and evaporative coolers, will be up for sale during an auction of surplus property that will get under way next Thursday, Feb. 23, at 9 a.m. at the Community Center.

Registration for the auction sale, which is open to the public, will begin at 8 a.m. on the day of the sale. Items purchased may be removed on the day of the sale, provided that full payment is made at the time.

Prior to that time, prospective bidders can inspect the wide variety of items that will be up for sale by paying a visit to Warehouse 41, which is located adjacent to the Defense Property Disposal Office at NWC.

Warehouse 41 will be open for this purpose on weekdays between the hours of 8 a.m. and 3 p.m.

No bids will be accepted by mail and only those bidders who are present at the Community Center and have registered prior to the time that the auction begins will be eligible to participate in it.

Additional information can be obtained by calling Bill Giuliani, head of the Defense Property Disposal Office, at NWC ext. 2502 or 2538.

Most facilities to be closed on holiday Monday

Most facilities on the Naval Weapons Center will be closed Monday in observance of Washington's birthday.

Special Services activities that will be open include Hall Memorial Lanes, the golf course, the gymnasium, and the indoor swimming pool. The Youth gym will be open from 10:30 a.m. until 4 p.m. for general use.

The bowling center (and snack bar) will be open holiday hours — 11 a.m. to 11 p.m. The gymnasium will be open from 11 a.m. until 7 in the evening, and the indoor pool will be available from noon until 6 in the evening.

The China Lake golf course will be open (weather permitting) from 7:30 a.m. until dusk.

The camping issue shop, hobby shops, Community Center and Youth Center will be closed, as will both the Navy Exchange and the Commissary Store.



FAREWELL FETE — The combined congregations of the All Faith Chapel joined in honoring Chaplain and Mrs. T. C. Herrmann, NWC senior chaplain, at a farewell reception attended by more than 400 persons last Sunday afternoon at the Community Center. As these photos were taken, Chaplain Herrmann was hugging a youthful admirer (upper left) and cutting the first slice of cake that was baked and decorated for this special occasion. In the photo with him (at top right) is his wife, June (at left) and two of the reception committee members — Marlene Page and Linda Fleeger. Unveiled in the photo (center, left) was a roll top desk that was a gift to the Herrmanns from Protestant, Catholic, Hebrew and Unitarian congregations. Among those present for the farewell fete (photo insert middle, right) was Chaplain Robert Osman, former NWC senior chaplain now serving at Camp Pendleton. In the lower right photo, Chaplain and Mrs. Herrmann are displaying a "petition of protest" concerning their pending departure on Feb. 24.



—Photos by Al Pena

Career expansion workshop set for blue collar workers

Applications for enrollment are now being taken from Naval Weapons Center employees who are interested in attending a Career Expansion Workshop for Blue-Collar Workers.

Objectives of the workshop, which is intended for those employed in various trades and labor fields, or technicians, police officers and fire fighters, are to increase employees' motivation and planning for a specific career goal, and to assist individuals in exploring career options.

Career development is looked upon as primarily an individual's responsibility, and it is recognized that building from an individual's strengths lessens career risk.

Members of the Personnel Department's Career Expansion Workshop staff also believe that career planning is a continuing process, that an employee's motivation can be changed, and that multiple careers help keep career options open.

The next Career Expansion Workshop will be preceded by a 3-hour orientation session that will be held from 1 to 4 p.m. on Wednesday, Feb. 22, in Rm. 107 of the Training Center.

During the orientation session, how the workshop is to be conducted will be explained in detail and participants will be given tests aimed at identifying their motivations and occupational interests.

Follow-up workshop sessions have been scheduled March 28 through 31, from 7:30 a.m. to 4 p.m., also at the Training Center.

NWC employees interested in attending the Career Expansion Workshop for Blue Collar Workers are urged to submit a training request and authorization form via proper department channels to Code 094 as soon as possible.

Rainfall record...

(Continued from Page 1)

Public Works Department personnel spent a lot of time making sure that storm drains and ditches were clear of obstructions, and this work paid off since the drainage system designed to protect the housing and commercial area of the Naval Weapons Center was able to do the job for which it was built.

While the unusually heavy rainfall has not been a cause of concern to most Centerites, employees of the Public Works Department's Transportation Division now have quite a job on their hands of rebuilding roads in the outlying range areas of the Naval Weapons Center.

This past Monday morning, E. A. Walker, acting head of the Code 267, was busy studying reports and trying to decide where to concentrate the road repair work. "There are a dozen sites where we know that range area roads have been washed out, but we are trying to take care of the heavily-traveled roads that are located closer in first," Walker said.

The only access to the north range areas on Monday morning was by way of Olancho and Darwin, Walker noted, and one remote site 15 miles from the main area of Randsburg Wash also was cut off from access by vehicle due to flood-damaged roads.

Brown Bag Seminar slated on 'Physical Outlets for Stress'

"Physical Outlets for Stress" will be the subject of a Brown Bag Seminar on Tuesday from 11:30 a.m. until 12:30 p.m. in the Community Center.

The speaker will be Jackie Haff, an instructor from Cerro Coso Community College, who teaches yoga, cross country skiing, swimming, and aerobic dance both at the college and on the Center.

The seminar is part of a series sponsored by the Employee Assistance Program to help civilian and military personnel deal with stress. All interested persons are welcome to attend. Attendees are reminded to bring a brown bag lunch.

8 yrs. of off-duty study nets BA degree for Navy chief

The fulfillment of one of his lifetime goals was realized recently by John P. Bozony, Chief Aviation Electronics Technician in charge of the NWC airfield cold line, when he received a bachelor of arts degree in social science during mid-year commencement exercises held at Chapman College in Orange, Calif.

ATC Bozony, a veteran of 21 years of active duty in the Navy, is currently serving his second tour of duty at the Naval Weapons Center.

During his first assignment here, he decided (after a lapse of 13 years since his graduation from high school), to pursue higher education by attending courses that were offered by the Desert Campus of Bakersfield College—forerunner to the Cerro Coso Community College.

He received an AA degree in 1973 and then enrolled in courses offered locally by the resident education center of Chapman College. He was able to continue studies towards his BA degree during the time he was assigned to duty with Fighter Squadron 21, homeported at Miramar, Calif.

ATC Bozony served from the early part of 1974 until November 1977 as VF 21's quality control division chief. This tour of duty

included a lengthy cruise in the Western Pacific on board the aircraft carrier USS Ranger.

His college graduation ceremony was the culmination of eight years of off-duty study by Chief Bozony. When asked how he

thought his college degree would be useful in his Navy career, he noted that eight years ago he had been a little bit dubious about the value of a degree in social sciences.

Now, however, due to the shift by society in general and the U.S. Navy in particular toward increased emphasis on equal opportunity, human goals and various "people" programs, he feels fortunate that his studies leading to a degree in social sciences were concentrated in the areas of psychology and sociology. The Navy, he added, will provide the technical training required in his field.

At the present time, ATC Bozony supervises the work of 26 men who are responsible for support of the logistics aircraft at the NWC airfield—making sure they are ready for flight. This includes cargo and personnel transport-type aircraft, helicopters used in search and rescue operations, and the OV-10 Bronco.

Proudly displaying his college degree, Chief Bozony expressed gratitude for the support of his wife, Sandra, and their sons, John and James, who gave up their weekends and provided the moral support he needed during the eight years of study that went into acquiring his BA degree.



ATC John P. Bozony