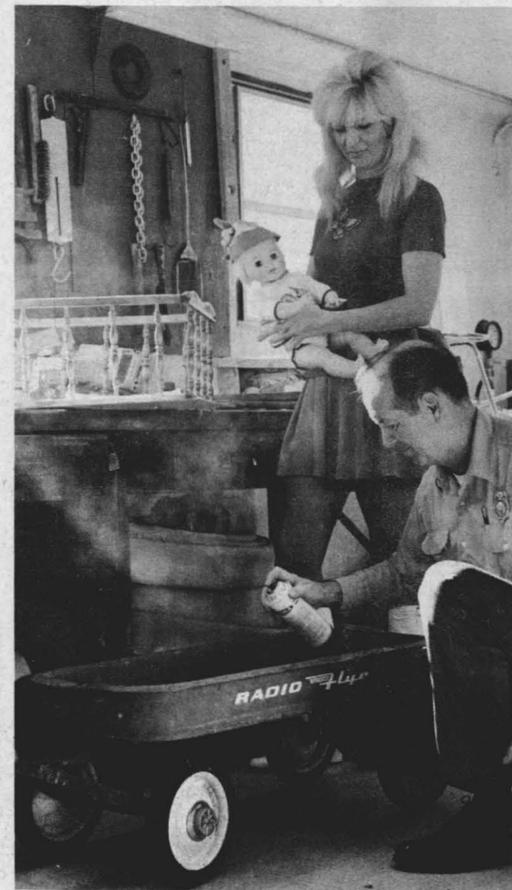


MUSEUM LECTURE—As one of the current Maturango Museum lecture series, Beverly Steveson, well-known Bakersfield resident, and a Sierra Club member, will present an illustrated lecture describing her trip to the Galapagos Islands. She was one of a small group of Sierra Club members who sailed around the Galapagos Islands in a small boat and would go ashore twice each day to observe and photograph some of the unique flora and fauna on the islands. Because of the intermingling of warm and cold currents, both arctic-type and tropical birds and animals can be found on the island. These are the same islands famous for the giant iguanas. Mrs. Steveson has won numerous awards in photographic contests and currently has a display of pictures at the Kern County Library in Bakersfield. In the photo above, sea lions play on the beach, while at the left, a penguin looks like the man who came to dinner. All interested persons are invited to attend the lecture which will be held in the Weapons Exhibit Center on Wednesday, Dec. 1, at 7:30 p.m.

'Toys For Tots' Program Begun by Marines, Firemen

This year, Indian Wells Valley residents will have the opportunity to get rid of old toys, broken toys and toys that their children have outgrown, while at the same time helping to brighten the lives of needy children at Christmastime. Each year, Marine Corps Reserve units throughout the United States join with local fire departments to sponsor the "Toys for Tots" program. Thousands of children throughout the land do without toys and gifts at Christmas because their families have other requirements which must be met. The "Toys for Tots" program is a joint effort to collect and repair donated toys which are then redistributed to children of all ages in the areas where they are contributed. Men of the Marine Corps stationed at NWC and the China Lake Fire Department will pick up toys for delivery to the fire station where the toys will be repaired or repainted by local firemen and



TOYS FOR TOTS — Jeri Morris, secretary for the Marine Corps Liaison Office at NWC, watches as Dick Rightmer, an NWC fireman, paints a wagon donated to the "Toys for Tots" drive now under way. "Toys for Tots" is a combined USMC and fireman program designed to redistribute toys for needy children at Christmastime.

From _____

TO _____

PLACE STAMP HERE



Naval Weapons Center
China Lake
California

Vol. XXVI No. 47

Nov. 26, 1971

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Marines at China Lake For Weapons Training With British Harrier



LOAD 30 MM ADEN GUNS — Personnel re-load the British-developed 30mm Aden guns on one of the Harriers. The Marines adopted the gun because it gives a high probability of first-burst hits when firing against ground targets. Marine pilots who have fired the gun like its low level of vibration and low rate of stoppages.

The Hawker Siddeley Harrier, the little jump jet which combines near-supersonic speed with the landing capability of a helicopter, arrived at China Lake last Friday when personnel of VMA-513 flew in for a short stay for weapons training deployment with the British-built aircraft. Seven aircraft, 159 men, and 23 officers, (16 pilots) under the command of Lt. Col. C. M. Baker, USMC, will spend until mid December at NWC undergoing a program of weapons delivery training and data acquisition. After completion of its mission here, VMA-513 will return to the Marine Corps Air Station, Beaufort, S. C., its home base. While at China Lake, the Marines will use Charlie and Coso Ranges for their training. The instrumented ranges at China Lake are expected to provide the clues that will lead to more accurate weapons drops.

The Harrier, built by the British firm of Hawker Siddeley Aviation, represents a technical breakthrough as significant as the jet engine itself. It is the first fully operational, fixed wing Vertical or Short Take-Off and Landing (V-STOL) aircraft in existence. Able to maneuver like a helicopter by the thrust of its jet engine through four swiveling exhaust nozzles, this V-STOL system has opened up the prospect of a completely new civil-transport system within the next decade. According to an article in the October Reader's Digest, entitled "Jump Jet: The Shape of Wings to Come," author Peter Browne writes of the military value of the little British jet. "Its unique ability to 'brake' in flight makes it an exceptionally maneuverable fighter. At full throttle it gains altitude so fast that American military pilots, evaluating the aircraft at Edwards Air Force Base, have several times unofficially broken the world climbing record, reaching 10,000 feet in less than 30 seconds from a standing start." Browne mentions that the Harrier, as a back-up to troops in battle, ". . . can carry a total weapon load of 5,000 pounds in various combinations of bombs, cannons and rockets. With a wingspan of about 26 feet and a basic weight of 12,200 lb., it is one of the smallest attack planes in the U. S. inventory." Powered by a Rolls-Royce Bristol Pegasus 102 engine, the Harrier has an acceleration capability of less than three seconds from light idle to full power. A new Pegasus 103 engine is scheduled to be installed in the aircraft next year. "It is a very demanding aircraft," stated one pilot. "The cockpit workload is tremendous." The pilot noted that pilot response had to be immediate and positive in hovering situations. The Harrier, which has a

Deadline Falls Mon. for Yule Parade Entries

Groups and individuals interested in participating in the second annual Christmas parade have until Monday to submit completed entry forms to the Ridgecrest Chamber of Commerce office, 201 Panamint St. As of mid-week, more than two dozen entry forms had been

(Continued on Page 5)



PRE-FLIGHT CHECK — Lt. Col. C. M. Baker, USMC, Commanding Officer of VMA-513, performs a pre-flight cockpit checkout of his Harrier. Pilots report that the cockpit workload of the Harrier in flight ". . . is high."

VX-5 Loses First Game . . .

(Continued from Page 6)
stopped short by a Hawk fumble at the 2. With 2:11 remaining in the half, the stunned Vampires found themselves on the short end of the 6-0 score.

Kegler's . . .

(Continued from Page 6)
Snyder (514), Myrl Plante (521) and Doris Boyack (212-530) aided in the three game victory for the league leaders. Darlene Herbstreit had a 566 series and Sue Lewis a 532 for the other good scores of the week. Linda Jeffris managed to find a 111 in what was otherwise a good evening.

The previous week Barb Tunget shot a 585 and Jackie McCoy had a 567, Mag Branson 560 and Darlene Herbstreit a 557 with a 217 game. Barb and Aiko White had 213s, Jackie a 203 and MarLys Bowles had a 200. Refreshing note: Cora Spiers, with a 133 average, rolled a nice 199 game.

snagged a Sullivan pass at the Hawks' ten. For a moment it appeared Seymore would angle in for the TD, but quick recovery by the Hawks saved the game-tying score and stopped the Vampires at the 3. Lady-luck turned aside from the Vampires again, as Bateman's fourth-down pass from the 3 fell incomplete.

The battle raged on through the final minutes as the defensive units put on a spectacular performance. The powerful Hawks were not to be denied the victory and, as the clock ran out, the Vampires watched their unbeaten record and claim to first place go down the drain.

Flag Football . . .

(Continued from Page 6)
consolation championship. The drawing for opponents and game times will be held at a coaches and officials meeting on the morning of Dec. 3. Eight area commands will send representatives to the tournament. George AFB, Edwards AFB, Los Angeles AFB, Norton AFB, Nellis AFB, Barstow Marines, Twenty-nine Palms Marines and China Lake will vie for the championship. Eleven games are slated during the weekend affair: four each on both Friday and Saturday, Dec. 3-4, and the remaining three on Sunday, Dec. 5.

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

(GP) - ALL AGES ADMITTED
Parental Guidance Suggested

(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

FRIDAY & SATURDAY 26-27 NOVEMBER
"INVESTIGATION OF A CITIZEN ABOVE SUSPICION" (115 Min) (R)
Gian Maria Volante, Florinda Bolkan
No Short Subjects

SATURDAY —MATINEE— 27 NOVEMBER
"FIVE WEEKS IN A BALLOON" (101 Min)
Red Buttons
"No Barking" (7 Min)

SUNDAY & MONDAY 28-29 NOVEMBER
"THE RED TENT" (121 Min) (G)
Sean Connery, Claudia Cardinale
No Short Subjects

TUES & WED 30 NOV. - 1 DEC
"WHEN EIGHT BELLS TOLL" (94 Min) (GP)
Anthony Hopkins, Nathalie Delon
"The Race" (16 Min)

THURSDAY & FRIDAY 2-3 DECEMBER
"PINOCCHIO" (87 Min) (G)
Walt Disney full length cartoon
"Seal Island"

No synopses available at this time. For further information call extension 2411.

Radiothon Brings in \$5,861 For Permanent Exhibit Bldg. at Fair

A valley-wide radiothon, conducted this past Sunday afternoon by Radio Station KLOA in Ridgecrest, went over the top in reaching its goal of raising an additional \$5,000 that is needed to make a down payment on the construction of a permanent exhibit building at the local fairgrounds.

In between 12:15 and 5:30 p.m. Sunday was reported to be \$5,861.84, but additional pledges and money promised but not yet collected are expected to boost the total to more than \$6,000, "Zip" Mettenburg, president of the Desert Empire Fair board of directors, stated.

In preparation for the time when the money needed for construction of the Desert Empire Fair's permanent exhibit building would be available, plans for the structure were drawn and a successful bidder, the Valley Steel Co. of Bakersfield, was selected on a competitive basis.

The amount of actual cash taken

in addition, Mettenburg reported, engineering calculations on the new building have been completed and the building plans have been checked by Kern County. All that remains to be done prior to the actual start of construction is to obtain a building permit from the county, after first getting a loan in the amount of \$55,000 to cover the cost of erecting the building.

Prior to Sunday's radiothon, the amount donated to the Desert Empire Fair's permanent exhibit building fund stood at around \$17,000 and this sum, coupled with



HOLIDAY SEASON LAUNCHED—A ribbon-cutting ceremony last Friday morning at the Community Center cleared the way for opening of the WACOM Christmas Bazaar, a two-day event that was attended by approximately 2,500 persons. Shown officiating at the opening ceremony are Capt. A. E. May, Deputy Commander of the Naval Weapons Center, and H. G. Wilson, Technical Director. A highly successful event, the Christmas Bazaar brought in a total of \$7,492.80 for various charities, civic projects and scholarship funds supported by the 20 local clubs and organizations which participated in it. More photos of the bazaar may be found on Page 7.

Mrs. Odencrantz Wins Seat On School Board

Mrs. Annalise Odencrantz, formerly a teacher in the China Lake Elementary School District who has been more occupied in recent years as a housewife, on Tuesday was elected to the local school district's board of trustees.

Mrs. Odencrantz, who received 303 out of a total of 598 votes that were cast in the school trustee election, will serve for the remainder of the unexpired term of Dr. June Amlie, who has left the local area.

The two other school board candidates and the number of votes each received were Mrs. Doris Dye, 163, and Jerry Maxwell, 132.



RECEIVES PATENT—A patent was awarded recently for a weapon handling skid to Leonard LaRosa, Jr., (center), of the Weapons Installation and Support Equipment Branch (Code 5561). H. T. Lotee, Head, Fleet Engineering Division (Code 556), left, is shown presenting the award to LaRosa, while Wayne G. Zellmer, Branch Head, Code 5561, looks on.

L.A. Mayor Sam Yorty Speaks At High School Lecture Center

His views on the armaments lead being built up in some areas by Soviet Russia, as well as comments on the sagging employment picture in the aerospace industry and defense work were delivered in a talk given Monday night by Los Angeles Mayor Sam Yorty.

Mayor Yorty was the featured speaker at a program arranged by the China Lake Chapter of the American Institute of Aeronautics and Astronautics and the American Society for Public Administration that was held at the Burroughs High School Lecture Center in Ridgecrest.

Among those in attendance at a dinner prior to Mayor Yorty's talk, as well as at the talk itself were top representatives of the Naval Weapons Center including Rear Adm. W. J. Moran, the NWC Commander; H. G. Wilson, Technical Director, and Dr. Walter

B. LaBerge, Deputy Technical Director.

Mayor Yorty's hour-long talk, in which he was critical of persons who tend to blame all of this nation's problems on the Vietnam War, drew an audience of around 125 persons.

Referring to this as an era of national apathy toward Russia and the Communists' steadily-growing strength, Mayor Yorty likened it to the isolationism of the 1930s that saw the rise of Hitler in Europe. The Russians, he noted, are currently spending a much larger share of their national resources on military research and development work than is the United States.

HOSPITALIZED VETS HELPED High school equivalency examinations are offered to hospitalized veterans at 97 Veterans Administration hospitals.

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2949. Current applications (SF-171) or Standard Form 172 should be submitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employee's present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Communications Management Specialist, GS-3914. Assistant Chief of Staff for Communications, Electronics, Communications Systems Directorate, The Pentagon, Washington, D.C. 20314. To be considered, applicant should forward completed Standard Form 171 by 3 Dec. 1971, to: Chief, Recruitment and Placement Branch, Staff Civilian Personnel Division, Office, Chief of Staff, Department of Army, ATTN: Mrs. Beth Royal, Room 7A175, Forrestal Building, Wash. D.C. 20314.

Electronics Technician, GS-856-7, 8 or 9, Code 3524—This position is that of electronic technician for the Missile Guidance Branch, Electronic Systems Department. Incumbent will be working directly with design engineers, developing, fabricating and testing microwave receiver components and systems. Minimum Qualification Requirements: As defined in the X-118. Job Relevant Criteria: Applicant must have theoretical background in electronics and dexterity in the use of his hands. It is desired to have someone who has received a certificate from a California Community College in electronic curricula.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, ext. 2577.

Motor Vehicle Operator, JD No. 10-2, Code 70781, W-57056-08—Duties: Drives straight-in-line trucks of gross vehicle weight ratings in excess of 32,000 pounds or any tractor and semi-trailer combination or "double bottom" combination such as truck and trailer, or tractor, or tractor, semi-trailer, and trailer. Makes operations inspections of vehicle; loads and unloads materials, or directs laborers in this task. Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standard in accordance with the CSC Handbook X-118C.

File applications and Supplemental Experience Forms with Corine Scott, Code 457, Room 210, Phone 2393.

Electronics Technician GS-856-8, Code 3534—This position is located in the Mechanization Branch of the Electronic Systems Department. Major duties include fabricating electronic systems to generate, transmit, record and playback air and meteorological data; interwiring designs for instruments; calibration of instruments and equipment. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Knowledge of basic electronics, experience in laboratory testing, measuring and recording of air data, aircraft and meteorological instrumentation.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, ext. 2577.

Administrative Officer GS-341-7 through 12 (1 position) PD No. 7155093 Code 553—Position located in the Engineering Department, Product Design Division. Incumbent is responsible to division head for day-to-day administrative duties of the division and its branches. Includes preparation of position descriptions, space and facility requirements of the division, training and revision of program goals, as determined by the division head. These services are also provided to the branch heads of the division, as required. Responsible for development and maintenance of planning tools which enable the division to be responsive in the administration of projects for which it has cognizance. Coordinates annually and at specific shorter intervals, budgetary requirements of funds for material, equipment, labor and other financial charges that will be incurred by the division when carrying out designated programs and various tasks that may arise as new work. Assists in preparation and dissemination of information in the form of reports and presentations. Minimum Qualifications: GS-7 3 yrs. general plus 1 year specialized experience, GS-9 - 3 yrs. general plus 2 yrs. specialized, GS-11 and 12 3 yrs. general plus 3 years specialized. GS-7 through 11, 1 year of experience must have been at second lower grade; for GS-12 1 year of experience at GS-11 level as outlined in CSC Handbook X-118. Job Relevant Criteria: Must possess a comprehensive knowledge of management principles and techniques and administrative experience in a research and development environment. A B.S. degree in business administration or a social science is desired.

File applications for above with Joan MacIntosh, Code 457, Rm. 212, ph. 2371. Fire Protection Inspector, GS-081-8, Code 842, PD No. 17430—Inspects buildings and operations in regularly assigned areas, and make spot inspections throughout the balance of the Center to detect fire hazards and recommends for their elimination; inspects and tests automatic sprinkler systems and

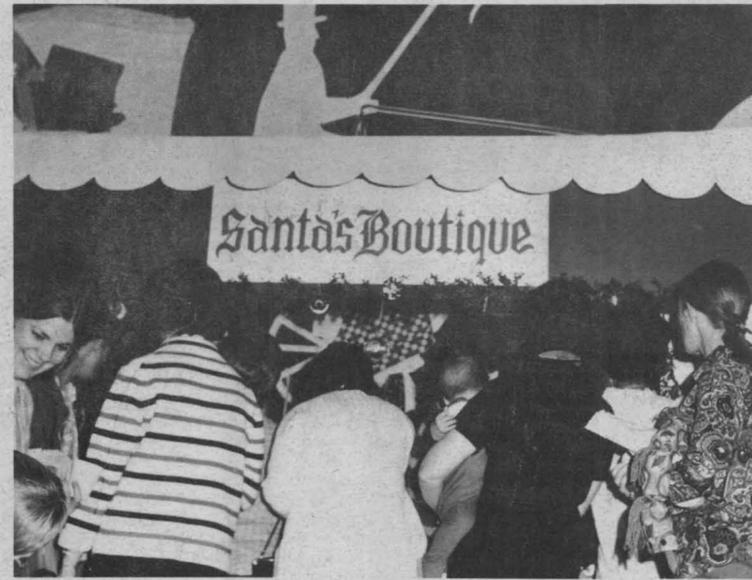


TOP JOB RECOGNIZED—Ted Edwards (at right), a Ridgecrest City Councilman and chairman of the Ridgecrest Improvement Committee, last week received a commendation from Mayor Kenneth Smith in recognition of his efforts for the second consecutive year in organizing and conducting a communitywide and countryside cleanup campaign. Councilman Edwards, who is employed as an electrical engineering technician in the Electrical Branch of the NWC Public Works Department's Engineering Division, was one of sizeable group of individuals and groups to be honored during a Ridgecrest Improvement Committee appreciation night program held at the Knights of Columbus Hall in Ridgecrest.



PERUVIAN SLIDE SHOW—Natives of Peru are shown in a village setting in this photo from the film slide collection of Fred Camphausen, who journeyed to Peru to climb mountains in the Cordillera Blanca chain last summer. A slide show, narrated by Camphausen and Russ Huse, who also made the trip, will be presented by the China Lake Mountain Rescue Group on Tuesday, Nov. 30 and Wednesday, Dec. 1, at 7:30 p.m. at the Vieweg Elementary School auditorium. Also exhibited at the show will be rescue group equipment and Peruvian artifacts brought back from the trip. A donation of \$1 for adults and 50 cents for students will be asked. The money realized will help the Mountain Rescue Group buy more equipment.

Christmas Bazaar Opens Holiday Season



"SANTA'S BOTIQUE" was the eye-catching booth run by members of Alpha Alpha Psi chapter of Beta Sigma Phi Sorority. Its offerings included a varied selection of hand-made items, ranging from finger puppets and bean bags to fancy aprons.



AT YE DOLL HOUSE, a booth operated by China Lake AAUW members, Christmas bazaar patrons found hand-made doll clothes and children's stationery.



GIFT WRAPPINGS, ribbons and candles were among the items offered for sale at "Ye Music Box." Proceeds were retained by the Burros Band Boosters Club.

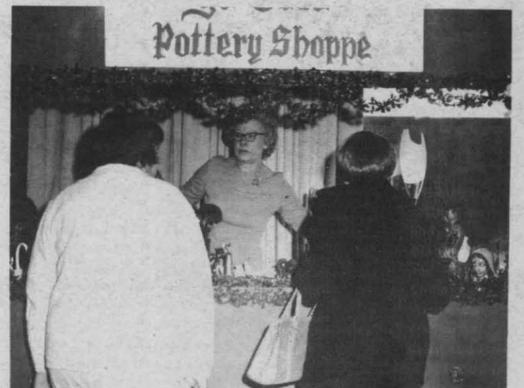
Photos By PHAN Daniel W. Yeatts



POPULARITY OF the WACOM-sponsored Christmas Bazaar at the Community Center was proven by the sizeable throng that filled the main auditorium throughout the two-day affair. Door prizes in the form of gift certificates donated by the Mary Sue Shop and Hamel's Furniture, a wig from Senn's Coiffures and a gift from the Western Auto Store in Ridgecrest were won by Dottie Dunn, Mel Burkey, Mary Morrison and Maxine Cole.



FOR THOSE whose appetites were tantalized by the goodies on sale at many of the Christmas Bazaar booths, refreshments available at "Mrs. Klaus' Kitchen" could be enjoyed in the nearby tea room area (at left). A wide variety of ceramics work was displayed in the "Pottery Shop," (at right) where items made by Ceramics Club members were on sale.



The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake, California R. Adm. W. J. Moran, USN NWC Commander

H.G. Wilson Technical Director C. E. Van Hagan Acting Head, Technical Information Department



Don R. Yockey Editor

Jack C. Lindsey Associate Editor

Jeanne Schreiber Editorial Assistant

PH1 D. C. Manderscheid, PH3 Ronald G. Mills PHAN Daniel W. Yeatts Staff Photographers

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DIVINE SERVICES

PROTESTANT

Sunday Worship Service 1000 Sunday School All Ages 0830 Sunday Evening Bible Study 1900 Wednesday Bible Study 1130 Wednesday Teenage Bible Study 0645 Sunday School Classes are held in the Chapel Annexes 1, 2 & 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion - first Sunday of the month

ROMAN CATHOLIC

MASS Saturday 1700 fulfill Sunday obligation Sunday 0700 0830 1115

BLESSED SACRAMENT CHAPEL

MASS Daily except Saturday 1130 First Friday ONLY 1130 1700 First Saturday ONLY 0830

CONFESSIONS

Saturday 1545 to 1645 Sunday 0800 to 0825

CCD CLASSES

Sunday Kindergarten through 6th grades 1000 Wednesday 7th and 8th grades 1900 As announced 9th through 12th grades

Note: The Chapel Nursery is located in Chapel Annex 1, Room 4, across from the Center Restaurant, and is open without charge for children of parents attending Catholic Mass or Protestant Worship Services.

JEWISH SERVICES

EAST WING - ALL FAITH CHAPEL Friday 1st and 3rd ONLY Sabbath Services 8000 Saturday Sabbath School 1000 to 1200

UNITARIANS

CHAPEL ANNEX 95 Sunday Services 1930

(Continued on Page 5)

Flag Football Winner Will Enter Tourney

The winner of the China Lake Flag Football League title will be headed for the regional tournament at Twenty-nine Palms, to be held the first weekend of December.

The Mojave Desert Inter-Service League playoffs will get under way at 1 p.m. on Friday, Dec. 3. The tourney is a double elimination affair, with the losers of their first game thrown into play for the

(Continued on Page 8)

Initial Results In Handball Tourney Given

Local handball enthusiasts are involved in tournament play at the NWC courts. The three-flight competition was entered by eight players in Division A, 14 in Division B, and 16 in Division C.

Claude Brown garnered first place honors in Division A, followed by Rick Roberts and Gerry Zaharias, respectively.

Playoffs for the Division B crown have Charles Walden, Joe Reese, Jerry McMullen and Peter Rice shooting for the honors. The final standings in this division were unavailable at presstime.

Division competition began last week and will continue for several more days before results are known.

Burros Gridders End Season With Three-Game Win Streak

While their effort fell short of earning them a place in the CIF play-offs, it was still a good year for the Burroughs High varsity football team, Coach Bruce Bernhardt commented Monday in summing up the results of the now-concluded 1971 gridiron season.

The Burros won six of their nine games, and bounced back after a mid-season 60-34 walloping at the hands of Barstow to finish with a three-game win streak to carry over into next year.

While the 1971 season didn't turn out to be all that he, his staff and players had hoped for, he still felt the varsity team did a good job and that the players showed evidence of having matured as the season progressed, Bernhardt said.

Burros Win 23-7
In their season finale with Victor Valley, which the Burros won 23-7, the local gridders had a little difficulty getting the offense uncorked in the first half, but still managed to score 10 points on a field goal in the opening period of play and took advantage of a fumble recovery deep in Victor Valley territory to tally the game's first touchdown in the second quarter.

In the first period, Steve Robinson unlimbered his kicking toe and booted a 25-yd. field goal. The score came after the Burros' attack stalled on the visitors' 18-yd. line.

The 3-0 count held up until Eddie Payne's recovery of a Victor Valley fumble on the Jackrabbits' 20 yd. line set the wheels in motion for a touchdown that was tallied four plays later when Gary Charlton, stellar senior fullback, bucked it over from the 5-yd. line. Robinson added the PAT and the



NAF DEFEATS VX-5 — Vampire Halfback Tom Haus follows Ken Johnson's blocking and skirts right end for an 8 yard gain in Monday's game against NAF. VX-5 was handed its first loss of the year and its first shutout in five seasons by NAF as the Hawks won, 6-0.

Vampires Knocked Out of First Place As Wolves Hand Them First Loss, 6-0

The blitzing NAF Hawks had an early Thanksgiving dinner of cooked-Vampire as they stole the key to the VX-5 offense and locked the door to the endzone, blanking them 6-0.

In the Monday night contest at Schoeffel Field, the Hawks quickly showed they had come to play. The strong defense of the upset-minded Hawks all but halted the Vampires as VX-5 fell victim to its first loss of the year. Although the Vampire defense was tenacious, the ground-

gainers couldn't ignite any spark and failed to score for the first time in five seasons.

After the game's opening kickoff, NAF marched to the Vampire four yard line. The drive was stalled at that point as the VX-5 defense dug in and gained possession on downs.

On the first offensive play for the Vampires, Tom Haus watched helplessly as the ball squirted from his grasp like a wet bar of soap. There to put the clutch in it at the 20 was NAF's Ron Hood.

They started from the 20 but the Hawks were soon back at the 34 as the Vampires' Kim Rushton nailed Hawk quarterback Dick Sullivan behind the line. The Hawks chose to punt and VX-5 had another go at it from the three.

Again the Vampire running machine broke down. Held to no gain at the 3, VX-5 kicked on fourth down.

The two teams traded turnovers in the second quarter until Ed Armenta intercepted John Bate-man's pass at the NAF 35. From there, the Hawks mounted their scoring drive and moved to the 33 yd. line of VX-5 in four plays. A Vampire holding infraction aided the NAF cause and brought them to the Vampire's porch at the 18.

On second down, Sullivan threw a quick pass over the middle to Bruce Ratliff at the 11 and he waded through the VX-5 secondary into the endzone for the game-winning score. The PAT was

(Continued on Page 8)



HERE SWEETIE, CATCH—IWV residents may catch the act of the "California Cuties" when they play Loewen's TV Monday at 8 p.m. at the Burroughs High School gym. The well-known comedy cage team will be brought to the Valley by the Burroughs High School Lettermen's Club. The California Cuties quintet has mastered the art of comedy in basketball with a series of routines designed to entertain fans and non-fans alike. Pictured is "Leaping Lena," the center for the team. Tickets for the game are priced at \$1.50 for adults and \$1 for students.



Kegler's Korner

By Jack Lindsey

Well, the Premier League has done it. They've gone and let that ol' debbil Ace-TV back into first place.

Ace knocked over Ridgecrest Lanes three times last Monday while Columbia 300 was doing the same to Pollock Construction and Boyds dropped two to Tom's Place. Lowen's could only manage two wins from NAF and Midway socked Allied for two.

Firmly ensconced in first by half a point, Ace is going to be difficult to unseat. They remind me of the old Yankee teams, everybody wants to see them "get theirs," but nobody's talented enough to do it to them. These guys have got the drive, enthusiasm and the cocksure attitude it takes to be a winner. At one point in the early season they resided in the cellar, but they are not to be denied.

In addition to Thad Brightwell, whose 198 average leads the league, they've also got Mark Barkemeyer, who pounded out games of 222, 204 and 221 for a 647 series, eclipsed only by Elmer Davis' fine 267 game and 649 series.

Ray Freascher had a triple 200 also: 227, 203 and 210 for a 640. Ken Dalpiaz hit the 600-circle for the third consecutive week, elevating his average to 192 with a 203, 213 and 206—622 effort.

Seven other fellas were in the 600-plus ranks, including Alex Ribault, 247 and 620; RC Jones, 226, 200 and 620; Floyd Forand, 213, 214 and 619; Bob Tegowski, 246 and 616; Jack Leininger, 224 and 612; Allen Smith, 205 and 209—608, and Earle Roby, 211 and 602. Floyd Maxwell shot a 230 and Craig Rae had a nice 226 game.

LOSER OF THE WEEK: Secretary Bill Tomaras, who finks on all the rest of the league, shot a beautiful 122, 150 157 for a resounding 429 series. Congrats, Bill!

THREE WEEKS' SCORES

The Midway League has seen some big games and big series bowled in the past three weeks. Mike Baican rolled a 275 single and a 668 series, which are the high marks in both departments so far this year. Gordy Zurn, Jr., hit a 255 game, as did Paul Lewis. Keith Morgan shot a 254 and Steve Griffiths hit 253. John Emery had a 646 series and Dan Herrington a 635.

SWIFT RACE

Bud Eyre Chevrolet and Freddie's Strike Room are battling it out in the Women's Scratch, with FSR leading by half-a-point. Last Monday Doris Cosner (536), Sonya Anderson (220-534), Barbara Tunget (215-555) and Pat Maddux (208-540), aided Bud Eyre to a 2636 scratch team series, while Freddie's Strike Room members Jeanne Crom (216-536), Myrtle

(Continued on Page 8)



CHAPLAINS HELP IN MANY WAYS—Navy Chaplains traditionally wear many different hats during the performance of their duties. In addition to their theological work they act as advisors, counselors, aides and just a "shoulder to lean on." In the photo at left, AN Robert S. Erny exemplifies the American serviceman's creed of God, Country, and Loyalty. Center, Catholic Chaplain Francis J. Fitzpatrick, senior Chaplain at the U.S. Naval



Hospital, Great Lakes, Ill., visits a hospitalized sailor during his daily rounds at the wards. At right, Jewish Chaplain James L. Appel conducts divine services in the Jewish Chapel at Great Lakes. Although there is not a Jewish Chaplain at NWC, sailors of this faith receive the same understanding and aid from the Catholic or Protestant Chaplain here that they might get from a Chaplain of their own faith.

A Look Into The Past From The Rocketeer Files

25 Years Ago . . .

There was a lot of scurrying and moving about on the Weapons Center in 1946. The snack bar was moved to a more expensive location and the hobby shop was relocated in Hut 419, near the Shore Patrol Barracks . . . The Thanksgiving holiday was celebrated with the running of special buses to Los Angeles . . . The Burros lost their final football game of the season to Trona, 18-7.

15 Years Ago . . .

The big news of the week was the TV Booster Fund Drive. Local barbershoppers and quartets from all over Southern California presented a show for the fund drive . . . The United Fund Drive was extended for another week as contributions were lagging . . . A new Community Council board was elected with H. Ted Lotee as president.

5 Years Ago . . .

Dr. Frank E. Goddard, Jr., visited NOTS to speak at the annual AOA Banquet . . . The Blue Angels gave a 45-minute flight demonstration, viewed by thousands of Indian Wells Valley residents . . . The Civic Concert Association prepared to welcome Bach master Rosalyn Tureck, pianist, as the second offering of the season.

Happenings Around NWC

POW TO SPEAK

A representative of the Social Security office in Lancaster will pay another in his regular series of monthly visits to China Lake next Wednesday, Dec. 1.

Persons wishing to obtain a Social Security number or apply for Social Security benefits can do so at the Community Center between the hours of 8:30 and 11 a.m.

POPULATION "BOOM"

Gretchen Essig, president of the Bakersfield College, Desert Campus Ecology Club, announces that the club will sponsor a debate between Dr. Peter Pinto and the Rev. Paul W. Neipp on the population "boom" question.

Dr. Pinto takes the view that the country is in the midst of a population explosion, and Rev. Neipp will argue against that premise. The debate will take place in the multi-use room of Burroughs High School at 7 p.m., Monday, Dec. 6. Admission is free and all interested persons are invited to attend.

AETNA MAN DUE

Howard Keenan, the Aetna Insurance representative, will be at the Community Center next Tuesday, Nov. 30, from 9 a.m. until 4 p.m., and on Wednesday, Dec. 1, from 9 a.m. until 3 p.m.

China Lake residents are reminded to reserve the evening of Friday, Dec. 3, for attending a program at 7:30 p.m. at the Burroughs High School Lecture Center. One of the featured speakers will be Douglas B. Hegdahl, a former Navy man, who was a prisoner of the North Vietnamese for nearly 2½ years.

The admission-free program, which has been arranged by the local committee organized to aid Prisoners of War and servicemen listed as Missing in Action and their families, also will include an introduction by Steve Frank, a representative of Voices in Vital America (VIVA).

ANNUAL LUNCHEON

Mrs. Don (Lorraine) Austin will be the guest speaker at the annual Christmas luncheon of the Protestant Women of the Chapel (PWOC) Tuesday, Dec. 7. Persons requesting reservations are asked to call Mary Ward, 446-2208, or Edle Karlstrom, 446-3678.

The luncheon is priced at \$1.25 and will begin at 11:30 a.m. The PWOC will provide baby sitting services.

Navy Chaplain Corps Observes 196th Anniversary This Sunday

On Sunday, Nov. 28, the 196th anniversary of the Navy Chaplain Corps will be observed. At the present time, 950 active-duty chaplains are serving at Navy, Marine and Coast Guard installations at home and abroad and also aboard hundreds of ships.

The ministry of Navy Chaplains is highly specialized, focusing largely upon the young adult. Eighty percent of the military population is between 18 and 30 years of age. To meet the spiritual needs of this youthful community, chaplains have been in the forefront in employing innovative techniques to make religion relevant.

Along with the more traditional expressions of worship many chaplains have been successful in communicating the Gospel's message through folk Masses, dialogue sermons, group discussions, seminars, retreats, workshops, contemporary music and liturgies, banners, and multimedia presentations, to name just a few of the modern approaches taken.

In discussing the mission and ministry of Chaplains in a rapidly changing Navy environment, the Chief of Navy Chaplains, Rear Adm. Francis L. Garrett, a clergyman in the United Methodist Church said:

"Two forces are emerging in the Navy today which afford the Chaplain Corps renewed opportunity in terms of mission and ministry. These forces dictate a sense of direction for our chaplains. Within the modern Navy we are seeing a strong and sincere emphasis by the Secretary of the Navy and the Chief of Naval Operations to improve the way of life of Naval personnel.

"Because of our deep concern for people, members of the Chaplain Corps have abundant opportunity to bring a vital ministry to all members of the Naval Service and their families. The second force is clearly recognized in the fresh interest in religion. This new interest suggests that a modern-day religious revival is taking place in



THE THREE NWC CHAPLAINS will celebrate the Chaplain Corps anniversary with "business as usual," according to Chaplain R. E. Osman, right, NWC Chaplain. NAF Chaplain E. C. Middleton, left, and Catholic Chaplain, Father James J. Hogan, stand ready, with Chaplain Osman, to serve all who come to them in need.

our society, and the Navy is keenly representative of the social climate of our nation."

The Navy Chaplain Corps traces its history to the birth of the Navy itself. The Continental Congress adopted the second article of Navy Regulations on Nov. 28, 1775, which provided for divine services aboard ships of the 13 colonies.

John Paul Jones, recognizing the importance of chaplains aboard ship, wrote to Naval authorities in 1778 seeking to obtain chaplains for the ships Ranger and Bon Homme Richard. Since then the Chaplain Corps has been dedicated to creating a better way of life for all seafaring men. Because of the influence of chaplains, flogging in the Navy was halted and various welfare and recreation programs came into being.

In 1807 Chaplain Robert Thompson corresponded with the Secretary of the Navy urging establishment of a Naval Academy. In 1838 a General Order was issued to permit chaplains to wear Naval officer uniforms, and chaplains serving in the Civil War

were officially given rank in 1863. The first Chief of Chaplains, Chaplain John B. Frazier, was appointed in 1917.

The current Chief of Chaplains is Rear Adm. Garrett, Chaplain Corps, United States Navy, is an ordained minister in the United Methodist Church. He was appointed Chief of Chaplains on July 1, 1970.

In World War II the Navy Chaplain Corps expanded to an unprecedented number of more than 2,800 chaplains on active duty at one time.

Navy Chaplains played a major role in the Korean conflict while serving with Marine units and aboard ships. In that conflict Navy Chaplains were presented with more than 200 awards which included 20 Purple Hearts.

During the Vietnam War, Navy Chaplains again distinguished themselves in their service to Marines and Sailors. Over 60 percent of all active duty Navy Chaplains have served in Vietnam. Awards for heroism and dedication to duty number in excess of 200.

Virginia Lee Keyte Wins Local Beauty Title



THE WINNER in her bathing suit. Virginia glides smoothly down the aisle during this category, which accounts for 25 per cent of the total points.



BARBARA LEWIS, the reigning Miss Ridgecrest-China Lake, takes her last walk prior to the selection of the new title holder. Miss Lewis was one of the most popular local girls to hold the title in recent years, and during her reign of more than 15 months, was one of the busiest. During the Pageant she sang "I Don't Know How to Love Him," from "Jesus Christ—Superstar."



ALEX BELLEN, China Laker who recently starred in the local production of "Fiddler on the Roof," treated the audience to two vocal selections.



THE THREE FINALISTS await the decision of the judges. From the left are Susan White, voted second runner-up; Rebecca Moulton, first runner-up, and Virginia. Peggy Davis was voted "Miss Congeniality" by the judges. —Photos by PH3 Ronald G. Mills



A RADIANT Virginia takes her first walk as the representative of the combined communities of Ridgecrest and China Lake in the annual Miss California Pageant to be held next year.



THE SEVEN CANDIDATES give the judges a look at their formal evening gowns. From left are Rebecca Leigh Moulton, Virginia Lee Keyte, Melinda Annette Kirkpatrick, Susan Lorene Lubben, Debra

Jean Cornelius, Susan Jeanne White and Peggy Cecilia Davis. A maximum of 25 points was given based on the judges' views of the girls' appearance in formal gowns.

MISS ANTON sang three numbers during the course of the evening, giving the local audience a view of what it takes to become Miss California and second runner-up in the 1969 Miss America pageant.

Harriers Here . .

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flyaway price of \$2.4 million, including its modern electronic navigational gear, is a better value for money than cheaper conventional planes. It cannot be paralyzed by bombed-out runways, and can deliver more attacks against an enemy over a given period of time because it can operate extremely close to a battle area.

Not dependent on fixed landing sites, the Harrier can also vanish by landing in the middle of the countryside and slipping under a camouflage net. Other advantages include the ability to operate safely in strong crosswinds and flying from snow and ice when other planes are grounded.

During their stay, the members of VMA-513 will receive close support from the three commands on the Center: NWC, NAF and VX-5. Next week, the Rocketeer will talk about the logistics involved in moving, housing and assisting a unit of this type for a short training session at the Naval Weapons Center.

Summer Job Tests Slated For Students

Students interested in taking a nationwide examination leading to possible Civil Service temporary appointments next summer have until next Friday, Dec. 3, to forward their application to Washington, D.C., if they wish to be included among those who will take the first summer employment exam on Jan. 8, 1972.

For those whose applications are received after Dec. 3, but before Jan. 7, the second summer employment exam will be held on Feb. 12, while for applications received later than Jan. 7 but before Feb. 2, the third and final summer employment exam will be held on March 11.

All high school students who graduate in June, 1972, and are interested in a temporary Civil Service appointment, must take the summer employment exam, which will be given here as well as in major cities throughout the U. S.

Students may by-pass the summer employment exam by using a special application if they meet the following requirements:

Completion of the sophomore year in college by June 1972 with either 60 semester hours or 90 quarter hours of credits, coupled with a cumulative grade-point average at the time they apply of 3.5 or better out of a possible 4.0 with a major in any field of study.

Students seeking the exception to taking the exam on the basis of their grade-point average must forward their special application to Washington prior to Feb. 2, and it is suggested that they file in December of early January.

Applications for both the examination and grade-point average by-pass can be obtained from the Summer Employment Coordinator in the Personnel Department, phone Ext. 3590.

BE AWARE OF BENEFITS

Veterans Administration advises families of veterans and servicemen to keep abreast of expanding benefits and programs provided for them.



Norman F. deGroot

Ex-Branch Head to Give Talk Monday

Norman F. deGroot, a former head of the Missile Guidance and Control Branch in the Aviation Ordnance Department at China Lake, will be the featured speaker at a Monday morning meeting of the Medical, Engineering and Scientific Working Group.

DeGroot, who left here in 1965 for the Jet Propulsion Laboratory, will discuss the biomedical engineering program of the Artificial Heart Test and Evaluation Facility at the University of Utah. All interested persons are invited to hear his presentation in Conference Room A of Michelson Laboratory.

Assessments Due Following Death Of John Brewer

Assessments are now due from members of the China Lake Mutual Aid Society and Government Employees Benefit Association following the death of John W. Brewer, who died last Saturday at the Lone Pine Hospital.

Brewer, who was retired from Civil Service, had been employed in the Public Works Department. He was 50 years old at the time of his death.

According to Larry Mason, CLMAS and GEBA secretary, many members are in arrears on the assessment that fell due following the Sept. 23 death of Raoul Landry.

Tickets Go On Sale For Plays By Local Group

Tickets are now on sale for a program of three 1-act plays that will be presented Dec. 3-4 and Dec. 10-11 at the Murray School auditorium by the China Lake Players, local drama group.

The program, which is for mature audiences, includes the following plays: "The Tiger" by Murray Shisgal, directed by Phelps TerHeun; "The Agreement" by Douglas Taylor, directed by Ralph Vuono, and "Will the Real Jesus Christ Please Stand Up" by Malcolm Marmorstein, directed by Gerald Baker.

Tickets, priced at \$1.50 for adults and \$1 for students, can be obtained from members of the China Lake Players, at the Pharmacy on the Naval Weapons Center and at the Gift Mart in Ridgecrest.



SYMPOSIUM A SUCCESS—E. M. Fisher (seated at right) ordnance administrator for the Air 3, Command headquartered in Washington, expressed pleasure over the accomplishments reported and the information exchanged during the seventh Warhead Research and Development Symposium held last week at the Naval Weapons Center. Shown with Fisher during a discussion about plans for the next such symposium are Harry B. Benefiel (seated at left), one of his co-workers in Washington, and (standing, from left) Paul Cordle, Robert G. S. (Bud) Sewell, John Pearson, Norman L. Rump and Dr. Marguerite Rogers, all NWC employees. Sewell, a physicist in the Research Department, is chairman of the Warhead Supporting Research Steering Committee, while Pearson is head of the Detonation Physics Division in the Research Department. The Propulsion Development Department was represented by Cordle and Rump, who head the Conventional Weapons and Applied Research and Processing Divisions, respectively. Dr. Rogers is head of the Weapons Systems Analysis Division in the Weapons Development Department.

DEF To Get Exhibit Building . . .

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The additional \$6,000 now anticipated, will bring the total to right around the amount required for a down payment. If a few extra dollars are still needed, the Desert Empire Fair's general fund will be tapped, Mettenburg added.

The fair board's contract with Valley Steel calls for erection of the large steel building after the cement slab and footings are in-

stalled, and utilities are available at the site.

This preliminary work, including some grading and filling, is to be initiated within the next couple of weeks, Mettenburg noted, and once the slab and foundation are complete it has been estimated that it will take workmen for the Valley Steel Co. six weeks to erect the 80 ft. wide and 150 ft. long building.

Yule Parade Entries Sought . . .

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received, and parade officials are hopeful that more will be turned in prior to the Monday deadline.

The Christmas parade, sponsored by the Ridgecrest Chamber of Commerce, will be held on Saturday, Dec. 4. Assembly time will be 8 a.m. in the vicinity of N. China Lake Blvd. and Graaf St., and the procession will begin at 10 a.m.

Following the parade down N.

China Lake Blvd., trophies will be awarded to winners in the various competitive categories during a presentation ceremony at the Ridgecrest CoFC office.

Santa, who will put in an appearance at the end of the parade, which is to be disbanded along the Burroughs High School access road, also will be present during a free movie matinee for children that is to follow at the Ridge Theatre.



NAF SAILOR RE-ENLISTS—Robert H. Thomas, AD1, assigned to the Target Department at the Naval Air Facility, listens to information given him by Capt. R. E. McCall (at left), NAF Commanding Officer, regarding his re-enlistment for another three years. AD1 Thomas has served in the Navy for 16 years, and reported to the Naval Air Facility last January. He transferred here from Attack Squadron 212 at the Naval Air Station, Lemoore.

Opportunities . .

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first aid fire appliances; plan and conduct fire drills, give lectures, demonstrations and orientations in fire prevention practices; keep records of all fire prevention equipment and requisition parts and supplies necessary for uninterrupted operation of the fire prevention program; and through a knowledge of the standards and regulations of fire prevention is technical advisor to all concerned on matters pertaining to fire prevention. Minimum qualification requirements: 4 1/2 years of experience in fire fighting, fire prevention and operations of fire apparatus and equipment. At least six months experience at the next lower grade.

Supervisory Fire Fighter GS-081-04, PD No. 784009, Code 842 — Temporary promotion leading to permanent promotion based on projected vacancy. This position is that of crew chief. The incumbent will be responsible for a major piece of motorized fire fighting apparatus and its crew: answers fire alarms, instructs crew in operation of fire equipment in all phases of fire fighting; directs the fighting of fires in the absence of higher authority. Minimum Qualification Requirements: 3 1/2 years of fire fighting experience and at least six months of which will be at the next lower grade. Applicants should demonstrate supervisory aptitudes. One year at the GS-5 level is required by the Whittier Amendment. File above applications with Pat Gaunt, Bldg. 34, Room 292, Phone 2723.