

Special Care Is Necessary At Holiday Time

Happy, hazard-free holidays is the hope of the Indian Wells Valley Safety Council for all local residents.

To help achieve this goal, the council has several suggestions. Fire danger is great during the Christmas season because of decorations. Fresh Christmas trees can be flame-proofed by saturating them with a solution of 9 oz. of borax, 4 oz. boric acid, and 1/4 tablespoon low sudsing detergent per gallon of water.

Candles should never be placed on or near a tree, the Safety Council points out. Also, since much styrofoam burns readily, candleholders should not be cut from styrofoam. Other decorations should preferably be made from flame retardant or flame resistant materials.

Electrical hazards are also great due to outdoor decorative lights and light strings on trees. All wiring should carry the UL label, and it is wise to inspect cords carefully for frayed spots.

In addition, lights for metal trees should be carefully inspected the Safety Council notes. Touching a metal tree with a frayed or non-UL approved wiring can be a most shocking experience.

Wrestlers . . .

(Continued from Page 10)

scoring 21 points to their opponents' 45, in spite of the fact that the locals had to forfeit matches in three weight classes.

The Burros varsity wrestlers, a largely inexperienced squad, surprised Coach Alan Ward by their showing last Saturday in the Antelope Valley Tournament held at Lancaster.

The Burros, one of a dozen teams entered in the event, returned home with seven medals and one trophy to show for their efforts. The lone trophy winner was Gary Hinz, a 112 lb. grappler, who recorded the fastest pin in the tournament when he downed an opponent from Boron in just 15 sec.

Hinz was a dual winner, as he also garnered a medal for his second place finish in the 112-lb. class by winning two of the three matches in which he was entered.

Other Burros medal winners in the tournament at Lancaster were Cary Hattabaugh, 95 pounder, who won three and lost one; and Robert Francis, who had a 4-1 record in the 141 lb. class.

In addition, second place medals were won by Bruce Douglas, 120 lb., and Robert Dunn, 133 lb., who both won three of their four matches, while John Broyles, 126 lb., picked up a fourth place medal for his 2-2 record.

Ken Whitfield, 115 lb., was the only Burroughs grappler to win a first place medal at Lancaster, where he was unbeaten in three matches.

In team scoring at Antelope Valley, the Burros placed fourth behind Kennedy, Antelope Valley and Quartz Hill—three other Golden League foes.

Next action for the Burroughs High wrestlers will be in the Bakersfield invitational tournament, which starts next Thursday, Dec. 23, at Bakersfield College.

Following the Christmas - New Year's holiday, the Golden League season will begin on Wednesday, Jan. 5.



THE CHRIST CHILD IS BORN—The manger scene on the lawn of the All Faith Chapel depicts the birth of the Christ Child. Rocketeer photographer Dan Yeatts caught the mood of the scene by photographing it with an open flash technique. The camera was placed on a tripod and the shutter was opened for approximately 5 minutes. Then Yeatts walked around the scene, tripping the flash gun at various angles in order to give the scene appropriate lighting. He used a 4x5 Speed Graphic with the lens opening set at f8 for the photo.



Holiday Hours at NWC

The following China Lake facilities will be closed during both the Christmas and New Year's three-day weekends:

Electronics Hobby Shop	Library	Woodworking Hobby Shop
Youth Center	Community Center	Special Services
Child Care Center	Food Services	Laundry-Main Plant
Plaza Pick Up (Ldry.)	Navy Exchange	Toyland
Exchange Service Sta.	NAF Snack Bar	NAF Barber Shop
Exchange Warehouse	Commissary Store	

The following facilities will be closed on both Christmas Day and New Year's Day, but will resume regular week-end hours:

Card St. Laundry	+Beauty Shop	++FEDCO
+++Shopping Bag	Center Gym	Auto Hobby Shop
NWC Theater	++++Bank of America	Barber Shop
+Open until 1 p.m. on Dec. 24 and until 6 p.m. on Dec. 31		
++Open until 4 p.m. Dec. 24 and until 7 p.m. on Dec. 31		
+++Open until 7 p.m. Dec. 24 and Dec. 31		
++++Open from 10 a.m. until 2 p.m. Dec. 24 and Dec. 31		

The following facilities will remain open during regular hours on Christmas Day and New Year's Day:

+Golf Course	EM Club	Bowling Alley
Snack bar at Bowling Alley		
+The Golf Course will close on Dec. 24 and Dec. 31		

The Ceramics Hobby Shop will be open regular hours during the week of Dec. 20 to Dec. 23. The shop will be closed from Dec. 24 until Jan. 3. The Camping Equipment Issue Room will continue to be open on Mondays and Thursdays. The Station Pharmacy will be open on Dec. 24 and Dec. 31, but will close on Christmas Day and New Year's Day.

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

FRI 17 DECEMBER
"ROMANCE OF A HORSETHIEF" (100 Min)
Yul Brynner, Eli Wallach, Laine Kazan
(GP)
"Out and Out Ruff" (7 Min)
(Roadrunner)

SAT 18 DECEMBER
—MATINEE—
&
—EVENING—
"SCROOGE" (118 Min)
Albert Finney
"Pluto's Blue Note" (7 Min)

SUN & MON 19-20 DECEMBER
"THEY MIGHT BE GIANTS" (86 Min)
George C. Scott, Joanne Woodward
(G)
"Wandering Wind" (20 Min)

TUES & WED 21-22 DECEMBER
"PAINT YOUR WAGON" (133 Min)
Lee Marvin, Clint Eastwood
(GP)
No Short Subjects

THURS & FRI 23-24 DECEMBER
"ON ANY SUNDAY" (90 Min)
Steve McQueen
(GP)
"Boston Quacky" (7 Min)
"Shark Hunt" (10 Min)

SAT 25 DECEMBER
The Theater staff sends Best Wishes to all.
Have a Merry Christmas.
(There will be no movies today)

SUN & MON 26-27 DECEMBER
"BANANAS" (82 Min)
Woody Allen, Carlos Montalban, Louis Lasser
(GP)
"Pink Tuba-Dore" (7 Min)
"Wild September Snow" (18 Min)

TUES & WED 28-29 DECEMBER
"SONG OF NORWAY" (106 Min)
Florence Henderson
(G)
No Short Subjects

THURS & FRI 30-31 DECEMBER
"ADIOS SABATA" (104 Min)
Yul Brynner, Dean Reed
(GP)
"Pink Panther" (7 Min)

SAT 1 JANUARY
—MATINEE—
"BATMAN" (105 Min)
Adam West
"Lonesome Ranger" (7 Min)
—EVENING—
"BOATNIKS" (100 Min)
Robert Morse, Phil Silver, Stephanie Powers
(G)
"Pluto's Purchase" (7 Min)

SUN & MON 2-3 JANUARY
"THE MELLSTROM CHRONICAL" (90 Min)
"Dad Can I Borrow the Car" (22 Min)
A Disney film

TUES & WED 4-5 JANUARY
"WHO IS HARRY KELLERMAN" (108 Min)
Dustin Hoffman, Jack Warden
No Short Subjects

THURS & FRI 6-7 JANUARY
"AIRPORT" (136 Min)
Burt Lancaster, Dean Martin
No Short Subjects

Aetna Man To Visit Center

Howard Keenan, the Aetna Insurance representative, will be at the Community Center on Tuesday, Dec. 28, from 9 a.m. until 4 p.m., and Wednesday, Dec. 29, from 9 a.m. until 3 p.m.

LOOKING FOR SNOW?—It isn't hard to find, just head for the Sierras. Ronald Gray Mills, one of The ROCKETEER's photographers, visited the vicinity of the Kern River, above the falls, in search of snow scenes to add to the collection at the newspaper office and found this cabin nestled beneath some pines. He used a Yashica twin lens 2 1/4 x 2 1/4, equipped with an 80mm lens. He set the shutter at f11 for 1-250th of a second to get the results shown above.



From _____

TO _____

PLACE STAMP HERE



nwc rocketeer

Naval Weapons Center
China Lake
California

The joys of the Christmas season are reflected in the face of two-year-old Pamela Yeatts as she stands enthralled by a Christmas tree, while the jolly old elf, Santa Claus, places gifts around a decorated tree in the background. The entire staff of the ROCKETEER wishes all employees and residents of the Naval Weapons Center a happy and joyous holiday season and a happy and prosperous New Year.



The following schedule of services will be held at All Faith Chapel for Christmas and New Year's:

PROTESTANT

December 24 - 7 p.m. Christmas Eve Candlelight Carol Service
Family oriented with a special Christmas story for the children
Lighting of candles by all. Special music will be given in the service of carols and Scripture

December 26 - Sunday School at 8:30 a.m.
Worship Service - 10:00 a.m.

January 2 - regular schedule of services

CATHOLIC

Christmas Confessions

Wednesday, Dec. 22 - 12 - 12:30

Thursday Dec. 23 - 12 - 12:30

Wednesday Dec. 22 - 4 - 5:00 p.m.

Wednesday Dec. 22 - 7 - 8:00 p.m.

Friday, Dec. 24 - 4 - 5:00 p.m.

Christmas Masses

December 24 - Caroling 11:30 p.m. followed by Midnight Mass

December 25 - 8:30 and 11:15 a.m.

December 26 - 7:00, 8:30 and 11:15 a.m.

New Year's Day

January 1 - 7:00, 8:30 and 11:15 a.m.

January 2 - regular schedule of masses.

The Rocketeer

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Naval Weapons Center
China Lake, California
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NWC Commander

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DEADLINES:
News Stories - Tuesday, 4:30 p.m.
Photographs - Tuesday, 11:30 a.m.
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Phones - 3354, 3355, 2347



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1000
Sunday School All Ages 0830
Sunday Evening Bible Study 1900
Wednesday Bible Study 0645
Wednesday Teenage Bible Study 1130
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 fulfills 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
6th and 8th grades 1900
Wednesday 9th through 12th grades
As announced

JEWISH SERVICES
EAST WING - ALL FAITH CHAPEL
Friday 1st and 3rd ONLY 3000
Saturday Sabbath Services 1000 to 1200
Sabbath School
UNITARIANS
CHAPEL ANNEX 95
Services 1930

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 2049. 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 employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Illustrator, GS-1020-5, 7 or 9, Code 3513—This position is located in the Reports and Visual Arts Branch of the Electronic Systems Department. Duties include preparing presentation material such as vignettes, slides and flip-charts from rough sketches, blueprints and photographs, and preparing illustrations for technical reports. Qualification Requirements: defined in X118, Job Relevant Criteria: Must be able to plan, prepare, layout and design technical illustrations. Must be able to use such visual material as photographs, designs and illustrations.

File application for the above with Sue Prasolowicz, Bldg 34, Rm 204 ext. 2577
Administrative Officer GS-341-7 through 12 (1 position) PD No. 7155092 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 2 year specialized experience, GS-9 3 yrs general plus 2 yrs specialized, GS-11 & 12 3 yrs general plus 3 yrs specialized, GS-7 through 11, 1 year of experience must have been at second lower grade; for GS-12 1 year of experience as 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. Previous applicants will be considered without reapplication.

File applications for above with Joan Macintosh, Code 657, Rm 212, ph 2271.
Electronics Engineer GS-655-7 through 12 PD No. 7055015-1 Code 5522 (2 vacancies)—Located in Electronics Branch, Electromechanical Div., Engineering Dept. Incumbent prepares engineering designs involving electrical or electronic devices to

(Continued on Page 4)

ABOUT OUR COVER



ROCKETEER photographer Dan Yeatts posed his daughter Pamela in the photo studio before a blue background upon which he placed the mural. He used a Graflex XL camera with a 53mm lens, exposed at 1/500th of a second at f8. Studio strobe lights were used to highlight the scene.



CHRISTMAS PROGRAM PLANNED—Members of the Senior High Protestant Youth Group will present a Christmas program and party for all local youngsters from 3 to 8 years of age on Tuesday from 6 to 7:30 p.m. in the East Wing of the All Faith Chapel. Jim Bachman and Kathy Pinney (shown above) will portray the roles of Joseph and Mary in "The Little Shepherd," one of two short plays that will be presented, and there also will be carol singing and refreshments.

Long Term Educational Program Nominees Sought

Nominees are currently being sought from among NWC employees for participation in a number of long-term educational programs that are available to Department of the Navy civilian employees, along with employees of other Federal agencies.

Participation in one of these programs, all of which are centrally administered by the Office of Civilian Manpower Management (OCMM) is considered an unusual training and career development opportunity.

It is Department of the Navy policy to use long-term training when comprehensive training and developmental assignments are more appropriate to the training objective than assignments of short duration.

In view of this, it is the intent to provide long-term education and training (over 120 days) to employees of demonstrated potential so that the Department of Defense will be able to keep abreast of management, technical and scientific advancements, both within and outside of DOD.

The Department of the Navy will support long-term training programs that will (1) maintain DOD leadership in defense-oriented science and technology, and (2) provide opportunities for career employees of promise to grow and advance to their full potential and permit them to successfully cope with the complex problems of managing all aspects of national defense.

It is required that the training and educational program have a direct relationship to present and/or future work assignments and to planned executive or career development of the trainee. A statement of the relevancy of the proposed training must be included in the individual training plan. In order to be eligible for consideration for long-term training and education the employee must have demonstrated aptitude for the training, and also must have arrived at a point in his career development where the training opportunity is believed to be appropriate.

A written plan must be developed in advance of each employee's assignment to long-term training, assuring the most effective use of the training, in-

cluding reassignment of the trainee, if appropriate, upon completion of the training. Nomination letters for competitive programs must include a copy of the written plan.

Ideally, candidates should be identified at least two years before the proposed beginning date of their training assignment. This lead time enhances productive planning for maximum use of the training opportunity, permits arranging for refresher study, allows time for the trainee's personal planning, and promotes efficient planning for the employee's full utilization upon completion of the training.

Employees considered for long-term training and education programs should be prepared to devote considerable time (beyond the 40-hour week) to the extensive study and research that will be demanded by the curriculum.

There is no limitation on the number of nominations submitted, provided that the criteria are met and there is a demonstrated need for the training. Deadlines are as follows for the various long-term educational programs that are available:

Dec. 30—The Naval War College, Newport, R.I.

Dec. 30—Education for Public Management—Civil Service Commission.

Jan. 10, 1972—Defense Systems Analysis Educational Program.

Feb. 7, 1972—The Stanford-Sloan Program at Stanford University.

Feb. 7, 1972—Fellowship in Congressional Operations for Executives.

Feb. 14, 1972—Public Affairs Fellowship.

Submit nominations via the chain of command to the Employee Development Division (Code 654). Questions on the program and nomination procedures should be directed to Don Sharnas, employee development specialist, phone Ext. 2451.



Rear Adm. Isaac C. Kidd, Jr.

CNM Post Goes to Adm. Isaac Kidd

Duties of Chief of Naval Material were taken over on Dec. 1 by Adm. Isaac C. Kidd, Jr., who relieved Adm. Jackson D. Arnold in ceremonies held at the Washington Naval Yard.

Adm. Arnold, who had completed more than 40 years of naval service, including handling the responsibilities of CNM since June, 1970, was retired from active duty.

Adm. Kidd, who is the Navy's youngest admiral, most recently commanded the Sixth Fleet and prior to that he commanded Cruiser Destroyer Flotilla 12 and the First Fleet.

The new Chief of Naval Material was graduated from the Naval Academy and commissioned an ensign on Dec. 19, 1941, just 12 days after the attack on Pearl Harbor where his father, Rear Adm. Isaac C. Kidd, USN, was killed on board his flagship the USS Arizona.

Rear Adm. Kidd, the first American flag officer killed in action in any war, was posthumously tendered the nation's highest award, the Medal of Honor.

During World War II, the new Chief of Naval Material took part in North Atlantic convoy duty and the invasions of North Africa, Sicily and Italy. In addition he saw action in the battle of Leyte Gulf and during the Saipan and Tinian operations, as well as at Iwo Jima. Radar picket duty and gun fire support off Okinawa concluded his WWII assignments.

Since that time, he has been an aide to the superintendent of the Naval Academy, served for two years on the Joint Staff of Commander in Chief Pacific, attended the National War College in Washington, commanded the Navy's first all missile squadron (Destroyer Squadron 18); served for more than four years as executive assistant and senior aide to the Chief of Naval Operations, and later was chief of logistics at NATO Headquarters in Naples, Italy.

Adm. Kidd's decorations include the Distinguished Service Medal with Gold Star in lieu of a second award; the Legion of Merit with two Gold Stars in lieu of second and third awards, and the Bronze Star.

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Provisions of Toy Safety Act Reviewed

Provisions of the Toy Safety Act of 1966 were reviewed recently for the benefit of local residents by the Indian Wells Valley Safety Council.

With Christmas gift-buying time at hand, Safety Council officials felt that this would be an appropriate time to focus attention on the Toy Safety Act, which covers toys that are toxic, corrosive, irritant, flammable, or capable of generating pressure.

In 1969, the Act also was extended to the control of toys with electrical, thermal or mechanical hazards, those with sharp or protruding edges, as well as those capable of fragmentation, explosion, suffocation, asphyxiation, electric shock, or creating excessive heat.

Best Protection Is Parent

With a law as broad as this, the Toy Manufacturers Association says that it is too vaguely worded. In view of this, the IWW Safety Council feels that the best protection for a child is still a parent who thinks about the toys purchased, as well as their use and possible misuse before giving them to a child.

Certain hazards do exist, the local Safety Council reports, and they can be broken down into several categories, namely, size, composition, edibility, construction, inherent dangers and fire.

A toy for a small child should not be smaller than his fist, the Safety Council points out, since at that size it becomes nearly impossible for him to swallow. In addition, there should be no detachable

parts that can be swallowed.

Composition Important

Attention also must be paid to the composition of a toy, since one made of rigid plastic can break leaving sharp edges exposed. Glass that is breakable or thin metal that bends too easily also are hazardous.

Because toys for tiny tots inevitably get nibbled upon, bitten or chewed, they should not be painted with a lead-based paint, the Safety Council points out.

Sheet metal toys should have rolled, not sharp edges, and there should be no sharp points. Pins or bayonet points used to assemble dolls or other toys are a menace if the toy comes apart, and it also was noted by the Safety Council that the axles on soft plastic riding toys are frequently sharp and can be dangerous if fallen upon.

Inherent Dangers

Among the inherent dangers in toys cited by the IWW Safety Council is the admonition not to give a toy with a cord to a child who is in a playpen or crib in order to avoid accidental strangulation. Also it was noted that directions on care and cleaning of electrical toys should be read carefully by an adult, and it is recommended that at least initially, play with any electrical toy be supervised.

Stuffed toys should be made with flame retardant coverings, the Safety Council advises, and plastics should be non-flammable. Toys made with brushed nylon, rayon filament, nitrocellulose or celluloid are highly flammable.

Decoration Contest Under Way

Details of the annual Christmas decoration contest, co-sponsored by the China Lake Community Council and the Ridgecrest Chamber of Commerce, were announced this week.

Entry forms, available at the China Lake Community Center and the Ridgecrest CoC office, 201 Panamint St., Ridgecrest, must be returned to the CoC office no later than noon on Tuesday, Dec. 21.

Cash prizes totaling \$150 will be awarded to the winners and top runners-up in each category of the Christmas decoration contest. There will be first, second and third place awards of \$25, \$20 and \$15 in the sweepstakes category (requires both window and yard decorations); and first, second and third place awards of \$15, \$10 and \$5 for window displays, outside yard decorations and mobile home decorations.

A panel of six judges will inspect the entries and decide upon the winners.

Christmas Decoration Contest Entry Blank

I will have an entry in the following division of the Christmas Decoration Contest, sponsored jointly by the China Lake Community Council and the Ridgecrest Chamber of Commerce.

Check one only:

- Mobile Homes
- Window Display
- Outside Yard Decorations
- Sweepstakes (requires both window and yard decorations)
- Business Firm

Name _____ Phone _____

Address _____

Entries must be mailed to the Christmas Decoration Contest, in care of Ridgecrest Chamber of Commerce, P.O. Box 171, Ridgecrest, Calif. 93555, Deadline for receipt of entries is noon on Tuesday, Dec. 21.

1 Promoted, 2 Re-enlist



PROMOTED TO LIEUTENANT—Capt. R. E. McCall, Commanding Officer of the Naval Air Facility, pins lieutenant bars on Lt. Larry J. Mayes following Mayes' promotion to that rank recently. Lt. Mayes is the Targets Division Officer at NAF, but will soon depart for Patrol Squadron Six, in Hawaii.



RE-ENLISTS—Capt. R. E. McCall, Commanding Officer of the Naval Air Facility, administers the re-enlistment oath to A01 Daniel I. Sharp, an ordnanceman in the NAF Ordnance Division, OMD Department. Sharp, who has served nearly 14 years in the U.S. Navy, re-enlisted for six more years. He reported here from FITRON 14, NAS Oceana, Va., in July, 1970.



RE-ENLISTS FOR FOUR MORE YEARS—ADR3 Larry D. Rose re-enlisted recently and will now receive orders to VR-24, Naples, Italy. Capt. R. E. McCall, Commanding Officer of the Naval Air Facility, administers the oath. Rose reported to NAF in October, 1968, and has been in the service for four years. He is a graduate of ADR "A" School, NATTC, Memphis, Tenn.

**HAPPY, HAPPIER, HAPPIEST
NEW YEAR**

Loewen's Begins Season With Victory Over NAF

The China Lake basketball league got off to a rip-roaring start Tuesday night when Loewen's and the NAF Hawks tangled in the first game of the season. Holding off a fourth quarter surge by the fighting Hawks, Loewen's managed to outlast NAF for a 58-52 win.

Both Loewen's and NAF have strong ball clubs, and either team, possibly both, could end up in post-season competition. For Loewen's it was a night of consistent shooting and rebounding. Although it was the first league game, the winners displayed great team poise and steady ball control.

The NAF cagers displayed opening night jitters and were plagued by turnovers throughout the contest. Terrific rebounding by Lee Bess and Tom Roser kept the Hawks nipping at the heels of Loewen's in the first half as they were down 16-11 at the end of the first period and 28-21 at the half.

The third period was dominated by Loewen's offensively and defensively as Paul Kalff, Gordon Irvin and Darrell Johnson swept the boards at both ends of the floor. The Loewen's hoopsters tallied 21 points in this period, while NAF could manage only 10.

After falling behind by 18 points as the third period ended, the NAF squad pulled itself together for a last-ditch effort. With 4:29 left to play, Robert Burch came off the bench to hit a 15-foot jump shot and

was followed in succession by Ron Black and Barry Mormon. Before Loewen's could regroup, Burch struck again and the score was 52-44.

The NAF cagers played great come-from-behind basketball in the final minutes, but Loewen's big lead was just too much to overcome. At the gun, Loewen's had its first win, 58-52.

Kalff hit 20 points for the winners and was aided by Irvin with 17 and speedy Gary Ziegler with 8. NAF was led by Roser with 14. Bess and Black had 10 each with Burch and Mormon adding 6 each.

In "B" League action Tuesday, the Valley Stars whipped the NAF Officers 53 - 37 in the 7:30 game. Ken Zurn picked up 14 points, Dick Rivers followed with 10 and Chuck Gilmette added 6. Rich Guerrero led the Stars with 15.

The NAF Officers were paced by Pete Rice with 12, Tom Cook had 9 and Ed Brooks had 7.

The 9 o'clock night cap was a rout as NWC ran NAF Supply clear off the floor by a score of 61-19. NWC showed great strength against the outclassed and out-sized Supply squad. Gary Pottiger was the offensive strength for NWC as he canned 20 points. Pete Ramoz and Mike Jones added 9 apiece and James Brown had 8.

Wednesday and Thursday night games concluded league play until after the holidays. Results of those games were not available at presstime.

Women's Fitness Program Under Way at Center Gym

What's this? Women in the gym's weight room?

Apparently so, according to Peggy Stratton, coordinator of the Women's Physical Fitness program at the NWC gymnasium. "We try to combine all the facilities we have available here, such as the steam room and the swimming pool," she said.

"Some of the women have been working out in the weight room although it's not a requirement," said Mrs. Stratton. "Actually, we have no requirements, as such. What we try to accomplish is not so much a weight-losing program as it is a flexibility program. The women who participate regulate their efforts to match their own capabilities with the emphasis being on keeping limber rather than weight-losing or muscle building," she continued.

The fact that the class has no physical requirements and no exertion limits are set, except by the individual, should make this a very attractive program to many of the area's female gender.

Although housework offers some activity, it's quite often difficult to maintain a high level of physical exertion. Countless medical reports offer facts showing that a regular program of exercise will make an individual feel better and live longer.

Women of China Lake no longer have an excuse for not keeping themselves in good, healthy physical condition.

The class meets on Monday nights from 7:30 to 8:30 (during basketball season) and Thursday mornings from 9:30 to 10:30. A fee

of 50 cents per session is charged, and this money goes into the Navy Recreation fund for maintenance of the gym and facilities.

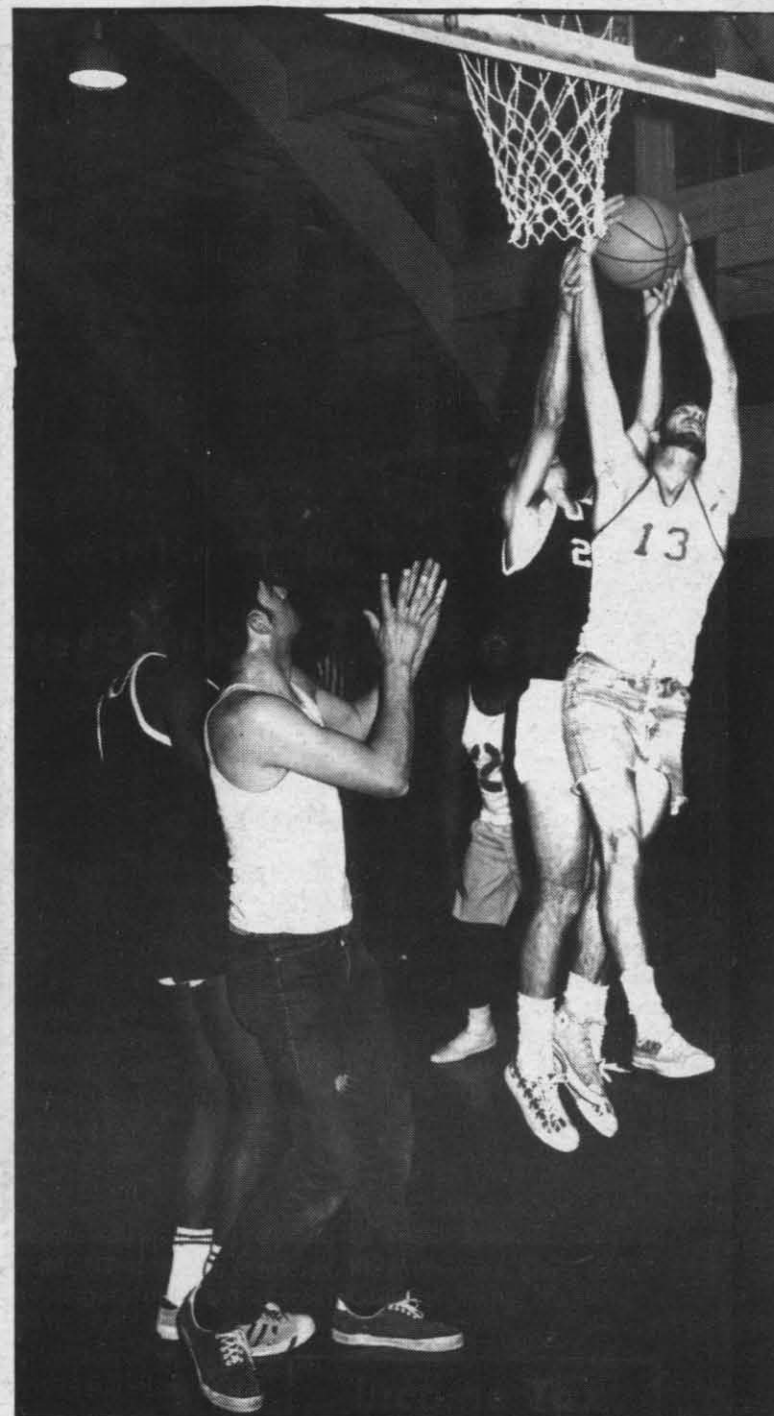
Everyone, except hubby, is invited to attend. The gals have lots of fun and are helping themselves to a better and healthier life. For further information, call Peggy Stratton at 446-5141.

NWC Employees Appreciate Rams Broadcast

A letter, signed by five NWC Technical Presentations employees, was received in The ROCKETEER office regarding the taping and broadcasting of the Los Angeles Rams-Washington Redskins football game last Monday, which expressed the typical reaction of Valleyites who viewed the game.

"I'm sure we speak for ... (most) ... football enthusiasts when we say, Thank you, Community (TV) Booster, for bringing us Monday's game." The letter was signed by Ray Sinnott, Jack Mussler, Denny Kline, Paul King and Dick Rusciolielli.

Local viewing of the game was made possible through the efforts of three China Lake men—Dick Furstenberg, Lyle Johnson and Ken Davis—who taped the game at a friend's home in Bakersfield. The tapes were then flown (in half-game segments) to China Lake by NAF pilots and delivered to Randall Morris and Jerry Allen, who played the tapes back on a recorder at the B-Mountain relay site.



THE ACTION at the Center Gymnasium on Tuesday, Wednesday and Thursday of each week during the play of the NWC Intramural Basketball League, is swift and exciting. The above photo was taken during the game between the Valley Stars and NAF Officers, which the Stars won 53-37. Spectators are welcome and the Special Services office has issued an invitation to all interested persons to watch the games. Tip-off times each evening are at 6, 7:30 and 9. Admission is free.

Burros Varsity Loses Tilt With Bakersfield Drillers

Fresh from a 69-55 defeat Tuesday night at the hands of the visiting Bakersfield High School Drillers, the Burros varsity basketball squad will hit the road tonight for East Bakersfield in hope of improving on its 2-2 record in non-league play.

The varsity tilt at 8 p.m. will be preceded by freshman and junior varsity contests at 5 and 6:30 p.m.

In Tuesday night's game against the Drillers, the Burros made a game of it for the first half, but couldn't keep pace with the visitors during the final two periods of play.

The score was tied 14-14 at the end of the first quarter, and the nip and tuck fracas continued throughout the second period, which ended with a last second basket by Randy Stedman that gave the Burros a 2-point 36-34 edge at halftime.

Second half action saw the Bakersfield High Drillers employing a much more deliberate style of play that paid off for them as they outscored the locals 15-6 and pulled ahead 49-42.

The story was the same in the fourth quarter with the Drillers continuing to hold the upper hand in the scoring department by a margin of 20-13 as they posted a going-away win by a final tally of 69-55.

High point honors were garnered by the Drillers' Ken Jones, who

flipped in 18 points, while both Steve Embry of Bakersfield and Stedman of Burroughs tallied 15 points apiece. Others who hit the double figure scoring column were Mark Wooten of Burroughs, with 13, and Theo Bell, of Bakersfield, who chalked up 10 points.

The Burros found themselves out-rebounded by the Drillers and were able to cash in on only 18 of 52 shots from the floor, compared to 29 field goals for the victors.

BHS Wrestlers Gain Experience At Bakersfield

Valuable experience was gained by members of the Burroughs High varsity wrestling team in their first two practice outings of the current season.

Tangling with the powerful Bakersfield High matmen on Tuesday night at Bakersfield, the Burros were overwhelmed by a score of 57-12.

The Burros' only wins came in the 126 lb. division when John Broyles pinned the Drillers' Ray Perez, and in the 133 lb. class, which saw Robert Dunn a winner over Greg Domino of Bakersfield.

The Burros jayvee grapplers did a bit better against their Bakersfield High counterparts,

(Continued on Page 12)



Kegler's Korner

By Jack Lindsey

During this time of the year when we are receiving hourly reminders of man's brotherhood with his fellow man, it seems a good idea to do a little soul searching.

Recently I have heard reports of disgruntled bowlers, new to the area, complaining about the dog-eat-dog attitude and "cliquishness" of the two scratch leagues at Hall Memorial Lanes.

The Monday night women's scratch league, in particular, is headed for trouble unless certain aspects of the league are straightened out. This year they could not even fill the lanes and are bowling two teams short. New bowlers from other areas (Corona, principally) have reported, when asked, that the league is indeed full of cliques and the attitude of the old-timers is not conducive to warm "togetherness."

The name of the game is competition, and sometimes, during the course of competing, bowlers who are prone to "bear down" often lead others to believe they are stand-offish, or "out for blood." This is not always the case.

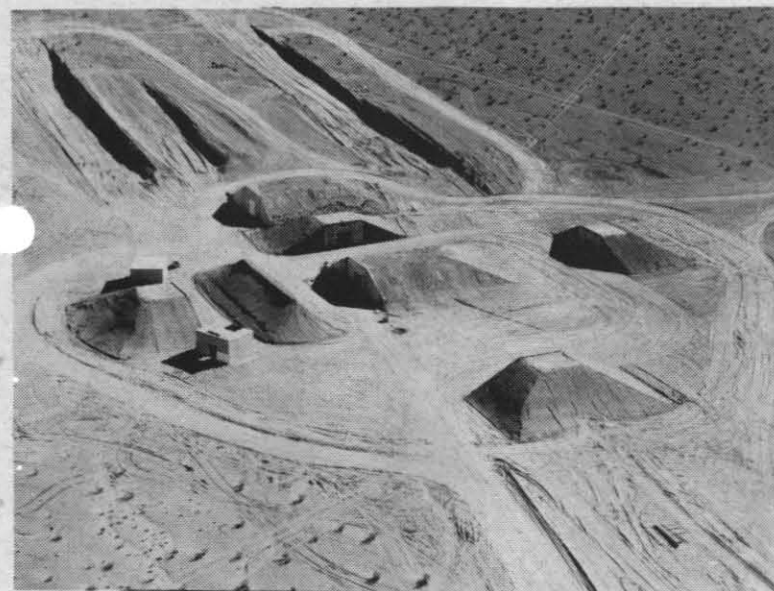
When I was a teenager I often watched the traveling professional teams who would bowl against outstanding local teams in Long Beach, where I attended high school. These men, during the competition, raised a lot of ruckus and did a lot of cheering for their teammates. Not a word was passed, however, to their opponents, no matter how well they bowled. When the series was over, though, they would join one another in comradeship and talk about the excellence of one another's bowling.

Very often, during the pro bowling matches on television, you will see the pros look away when their opponent is bowling. They hardly speak to one another and words of praise, such as "fine shot," and "good hit," are never uttered. However, at the close of the show when the pressure is gone, they are often seen to embrace one another and the loser usually has something very nice to say about the winner.

That's competition at its highest level. I firmly believe that bowling in a high average scratch league should be held along those lines, or somewhere near them.

So now, when your heart is full of joy for the season, and perhaps love for your fellow man, set aside some time for reappraisal. There's nothing wrong with fierce competition, but all members of a league should find time to make new bowlers welcome and to make them feel at home during the transition period from newcomer to old hand. For new members are the blood line of a league, and without them the league will shrivel up and melt away.

Scores bowled during the period Dec. 10 to Jan. 1 will be reported in the first column of the new year.



Before the blast...

Mrs. Osman Nominated For Military Wife Of Year Award Competition

A Navy chaplain's wife who has been deeply involved in her husband's work throughout the 19 years of his Navy career will represent the Naval Weapons Center in the sixth annual Military Wife of the Year awards competition.

Mrs. Esther T. Osman, wife of Capt. Robert E. Osman, NWC senior chaplain, has been nominated for this singular honor by a group composed of members of the Navy Wives Club, the Chief Petty Officers' Wives Club and the Military Officers' Wives Club.

The Military Wife of the Year program is intended as a means of focusing favorable attention on the outstanding accomplishments of officer and enlisted wives throughout the military services. The contest provides the means for each commanding officer to give official recognition to individual wives, and to the various wives' organizations for their many contributions to Navy life, to their communities, and to the morale and well-being of their husbands and families.

An official nomination form containing extensive information about the countless ways in which Mrs. Osman has lent support to her husband's work, going far beyond the normal call of duty, has been sent to the 11th Naval District



Mrs. Esther T. Osman

to 30 high school students.

Such leadership in seeking to help young people who are striving to find themselves has proven to be far-reaching in its dividends to the community, those acquainted with this special activity report.

In addition, Mrs. Osman has participated as an advisor to each of the four Circles of the Protestant Women of the Chapel, always striving for unity of purpose and action, and has been at her husband's side to offer warmth and sympathy to the sick or bereaved.

The Osmans also have opened

(Continued on Page 8)



After 200,000 lb. of TNT went up...

ESKIMO I

Magazine Separation Test Held

By Fred Weals

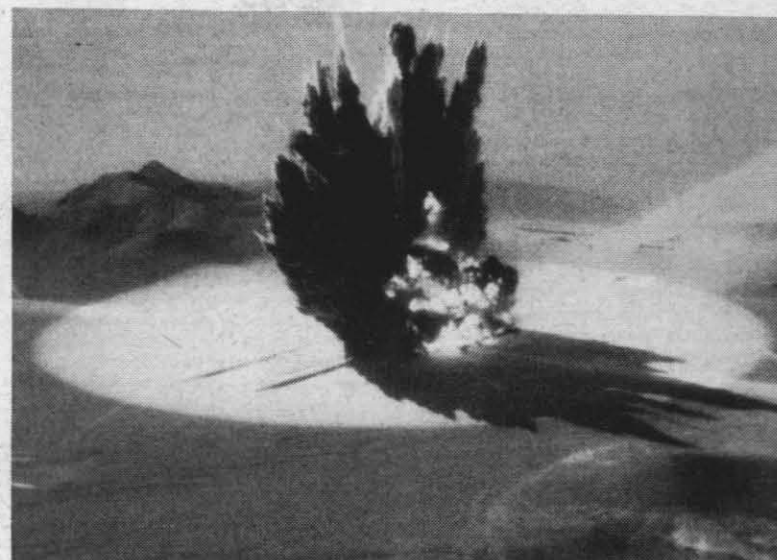
Culminating several months of preparation, ESKIMO I, a magazine separation test sponsored by the Department of Defense Explosives Safety Board, was successfully executed on Dec. 8 at the Naval Weapons Center's Randsburg Wash Test Range.

The project title, an acronym devised by the sponsor, means Explosive Safety Knowledge Improvement Operation. The primary objective of the test was the acquisition of data on which to base criteria for the safe separation of earth-covered, arch-type magazines.

Interpretation of the test data, when fully available, could lead to approximately 50 per cent reduction of the spacing distances between the lines or rows of magazines, thus providing considerable opportunity for savings in real estate for new magazine construction sites or for greatly augmenting the numbers of magazines that can be located at existing sites now fixed in the area.

Prior tests conducted locally several years ago have led to adoption of safety criteria for side-by-side separation criteria for similar magazine construction. These criteria apply to Department of Defense activities and also influence explosive safety practices in other countries.

The basic test procedure consisted of loading an existing earth-covered, arch-type magazine with approximately 13,700 155mm projectiles containing, in the aggregate, 200,000 lb. of TNT; exploding the projectile mass and determining the effects produced on four newly constructed earth covered, arch-type magazines, two concrete block magazine struc-



AT THE MOMENT of the big explosion, the shutter was snapped in an airborne camera operated approximately 2½ miles away by Samuel Wyatt.

tures and the explosive warheads and rocket motors stored inside the magazines.

The test was instrumented with cameras, blast gages and motion transducers to increase the data yield.

A number of visitors were on hand to witness the ESKIMO I event. These included members of the board and the staff of DODESB, representatives of U.S. Army, Navy and Air Force activities, defense contractors having a special interest, and the Norwegian Defense Construction Service.

Col. William Cameron III, chairman of DODESB, not only witnessed the event but actively participated by working with NWC explosive ordnance disposal personnel in the final firing line hook-up, and in the initial post-test inspection. He also closed the switch which initiated the big blast.

(Continued on Page 9)

Income Tax To Be Withheld From Paychecks

Effective Jan. 1, 1972, California Income Tax will be withheld from wages paid by Federal agencies to civilian employees.

In calculating the amount to be withheld, the employee's marital status and number of exemptions based upon the individual's Federal Form W-4 will be used by the Naval Weapons Center Payroll office.

A Naval Weapons Center Notice will be issued to all NWC employees prior to Dec. 30. It will contain a tax table which employees can use to compute the amount of California Income Tax that is to be withheld from their paycheck.



VISITORS HERE FOR TEST—Evidence of the high degree of interest in the ESKIMO I magazine separation test was borne out by the group of visitors who were here to personally observe its outcome. Among those present for this purpose were (front row, from left) Col. W. K. Hillyer, from Headquarters, USAF who is a member of the Department of Defense Explosives Safety Board (DODESB); Col. William Cameron, III, DODESB chairman; Col. H. F. Hardin, Jr., Army Deputy Chief of Staff for Logistics and a DODESB member; J. W. Connelly, OP-41B, Chief of Naval Operations; and Col. R. C. Robinson, commanding officer of the Toole Army Depot. In the back row (from left) are: D. E. Endsley, an aerospace safety representative from Norton AFC; Capt. Arnfinn Jensen and Einar Flaten, of the Norwegian Defense Construction Service; and R. G. Perkins, Dr. T. A. Zaker and Lt. Col. J. D. Coder, all of the DODESB staff.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

assure mass producibility of parts of items under his cognizance. Responsible for complete device. Analyzes guided missile circuitry, for purpose of applying design or redesign aimed at facilitating mass producibility and maintaining or increasing functional ability. Also verifies technical accuracy and adequacy of any project documentation he uses or is assigned to review. Performs liaison with, and serves as consultant to: contractors, other governmental agencies, engineers and scientists of other Center groups. Prepares progress reports. Minimum Qualifications: B.S. degree in electronic or electrical engineering or equivalent, professional experience as follows: 1 yr GS-7, 2 yrs GS-9, 3 yrs GS-11 & 12, 1 year of which is at second lower grade or at GS-11 level for GS-12 position. Job Relevant Criteria: 6 months experience in production engineering. Must have included wide variety of electronic engineering problems including interfacing between electronic and other systems.

Electronics Technician, GS-856-7-9, Code 4091—This position is located in Missile Development Branch I of the Weapons Development Department. The position is in support of electro-optical guidance development, airborne data links and associated systems. Work includes construction and support of engineers in conducting tests and evaluating techniques developed in the branch. Job Relevant Criteria: Prefer printed circuit board layout and assembly techniques, video experience and some familiarity with airborne systems. Minimum Qualifications Requirements: Two years general experience and 3 years specialized in accordance with X-118 Handbook.

File applications with June Chipp, Bldg. 34, Rm. 206, Phone 2676.

Electronics Engineer, GS-855-13, Code 3523—This position is located in the Avionics Branch of the Electronic Systems Department. Major duties include development of RF direction finding and signal processing hardware and integration of this hardware with the aircraft, full documentation of systems, coordination and technical direction of contracts. Minimum Qualification Requirements: As defined in X-118. Job Relevant Criteria: Experience in detail design of RF components and antennas or video circuit design as applied to avionics equipment.

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

Ordnance Learner, WG-45011-4, 1 vacancy, Code 4545, JD No. 7145047—This position is located in the Propellants Branch, Applied Research and Processing Division of the Propulsion Development Department, Naval Weapons Center, China Lake, Calif. The position will consist of training in the following categories: plastic molding, propellant machining, propellant mixing and casting, inhibiting, igniter fabrication, extrusion, block pressing, rocket motor loading, disassembly and reassembly of rocket motors (modified), grinding of raw materials for processing of propellant, cleaning hardware and returning to stock. Job Relevant Criteria: Reliability and dependability, shop aptitude and interest, ability to follow directions in shop, dexterity and safety, ability to work as a member of a team. The incumbent must have a working knowledge of basic arithmetic through decimals and fractions. Minimum Qualification Requirements: As defined in CSC Handbook X-118C.

File applications for above with Linda Grossman, Bldg. 34, Room 204, Phone 2925.

Electronics Engineer GS-855-7 through 12 PD No. 7055061, Code 5522 (2 vacancies)—Located in Electronics Branch, Electromechanical Div., Engineering Dept. Incumbent prepares engineering designs involving electrical or electronic devices to assure mass producibility of parts of items under his cognizance. Responsible for complete device. Analyzes guided missile circuitry for purpose of applying design or redesign aimed at facilitating mass producibility and maintaining or increasing functional ability. Also verifies technical accuracy and adequacy of any project documentation he uses or is assigned to review. Performs liaison with, and serves as consultant to: contractors, other governmental agencies, engineers and scientists of other Center groups. Prepares progress reports. Minimum Qualifications: B.S. degree in electronic or electrical engineering or equivalent, professional experience as follows: 1 yr GS-7, 2 yrs GS-9, 3 yrs GS-11 & 12, 1 year of which is at second lower grade or at GS-11 level for GS-12 position. Job Relevant Criteria: 6 months experience in production engineering. Must have included wide variety of electronic engineering problems including interfacing between electronic and other systems.

Electronics Technician GS-856-7 through 11 PD No. 7055063, Code 5522 (2 positions)—Located in Electronics Br., Electromechanical Div., Engineering Dept. Incumbent performs design work in areas of (1) electronic circuits (2) test equipment (including test circuits) and (3) packaging of electronic circuits. Working from his own design sketches or those of an engineer procures and assembles components for fabrication of breadboard and prototype models of electronic equipment. Following design and fabrication stages determines the operational characteristics of the design as function of electrical variations of individual components of the circuit and environmental conditions. Analysis of test data is also a function. Minimum Qualifications: GS-7, 2 yrs general plus 3 yrs specialized experience; GS-8

& above 2 yrs general plus 4 yrs specialized. One year of experience at next lower grade or 2 yrs at second grade. GS-9 and above 1 year of experience must be directly related to duties of position. Job Relevant Criteria: Good understanding of basic engineering mechanics, mathematics, elementary physics, electricity, semiconductor electronic circuitry, and test equipment. Working knowledge of basic missile guidance and fire control systems. 1 year of experience must have been in area of semiconductor circuits. Specifically, those circuits used to process and control high speed (fast rise and fall time) video pulses.

Clerk-Typist PD No. 855083AM11 or III GS-3223 or 4 Code 5556—Edits, types and distributes finished correspondence and other written material originated by the branch, specifications, purchase descriptions and related documents, including configuration management reports. Screens visitors and incoming telephone calls, arranges meetings for Branch members, prepares travel orders, visit requests, stub requisitions, and shipment requests. Maintains branch files, receives and distributes mail. Minimum Qualifications: GS-3, 1 year, GS-4 2 years of appropriate experience as outlined in CSC Handbook X-118. Advancement Potential: GS-3 may advance to GS-4.

File applications for above with Joan Macintosh, Code 657, Ext. 2371.

Electronics Technician GS-856-7 through 11 (2 positions) PD No. 7055062-3 Code 5523—Located in Guidance Evaluation Branch, Electromechanical Division, Engineering Department. Incumbent functions in this branch by performing system tests, designing and constructing special circuits, repairing any detected or designated malfunctions, and analyzing, as required, any work he has done on the guidance control group or ground support equipment of these infrared detecting missiles. Writes reports in the form of recommendations, proposals, designs, and plans. Minimum Qualifications: GS-7, 2 yrs general plus 3 years specialized experience; GS-8 and above 2 years general plus 4 years specialized, 1 year of specialized experience at next lower grade or 2 years at 2nd lower grade. For GS-9 and above at least 1 year of specialized experience must be directly related to the duties of this position. Job Relevant Criteria: Recent and progressive Sidewinder-Chaparral experience is highly desirable but not essential. Must possess ability to perform mathematical calculations required for the design test arrangements and equipment. Ability to meet and converse with all types of personnel and express thoughts clearly.

Electronics Engineer GS-855-9-10-11 (2 positions) PD No. 7055062-2 Code 5523—Located in Guidance Evaluation Br., Electromechanical Div., Engineering Dept. Incumbent is responsible for the resolution of electronic production engineering problems encountered in air-to-air and ground-to-air missile Guidance Control Groups by the design, testing, evaluation, and analysis of data of tests run on these units. Required also is the installation and programming of a data analysis and storage system compatible to the existing test units. Design and construction of electronic interfacers for analog-digital systems will also be required. Liaison is performed with, and consultation is given to contractors, other governmental agencies, engineers and scientists of Center development groups. Prepares progress reports periodically on his projects. Minimum Qualifications: B.S. degree in electronic or electrical engineering or equivalent, professional experience as follows: 1 yr GS-7, 2 yrs GS-9, 3 yrs GS-11, 1 year at 2nd lower grade for all levels. Job Relevant Criteria: Recent and progressive Sidewinder-Chaparral experience is highly desirable but not essential. Requires experience in production engineering and digital computers, and coordinating all activities of a project.

File applications for above with Joan Macintosh, Code 657, ext. 2371.

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, including 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 + 1 year specialized experience, GS-9 - 3 yrs general + 2 yrs specialized, GS-11 & 12 - 3 yrs general + 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.

Previous applicants will be considered without reapplication.

File application for above with Joan Macintosh, Code 657, Rm 212, ph 2371.

Gardener, WG-35062-05, Code 706, Corona Annex, Norco, Calif. (Temp NTE 30 June 72)—Duties: Plants, transplants, and cares for trees, shrubs, flowers, hedges and lawns. Prepares seeding on transplanting beds by grading and cultivating the soil. Adds fertilizer, chemicals and peat moss as required by the soil and plants. Makes minor repairs and adjustments to metal and plastic sprinkler systems.

Public Works Foreman, WS-47042-10, Code 706, Corona Annex, Norco, Calif. (Temporary NTE 30 June 1972)—Duties: Supervises carpenters, plasterers, joiners and plumbers. Also supervises maintenance men and laborers as needed in order to fulfill job assignments. Acts as technical advisor to Lab personnel in regard to building trades, construction and maintenance services. Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

File applications for above with Sue Prasolowicz, Bldg. 34, Rm 206, Ext. 2577.

Supervisory General Supply Assistant, GS-2081-6 or 7, PD No. 6925012, Code 2571—Supervises programs and serves as program assistant in the Customer Service Branch. Monitors supply support effort for specific assigned projects. Minimum Qualification Requirements: Three years of general experience in responsible work which has provided the applicant with a general knowledge of one or more aspects of the supply field plus six months experience for the GS-6 and 1 year for the GS-7 in supply activities which provided the required knowledge and abilities to perform the duties of this position.

Job Relevant Criteria: Must have thorough knowledge of Supply Department procedures and sources of material. Initiative, ingenuity and versatility are essential. Advancement Potential: GS-6 to GS-7.

File applications for above with Claire Lewis, Bldg. 34, Room 204, Ext. 3118.

Electronic Mechanic WG-26014-11 JD No. 185-15 Code 5523—Located in Engineering Dept., Electromechanical Div., Guidance Evaluation Branch. Incumbent constructs, modifies, tests, and repairs electronic devices used in the testing and development of guided missiles and associated equipment. Minimum Qualifications: Rating will be on basis of appropriate J-element stids in accordance with CSC Handbook X-118-C. Job Relevant Criteria: Broad understanding of electronic fundamentals, servo systems, heat and light sensitive devices, semi-conductors, printed circuits, timing circuits, amplifiers, oscillators, power supplies, meters, recorders, oscilloscopes, coil winding equipment and counters, temperature test chambers, vacuum impregnators, and basic potting compounds and procedures. Can be filled at Helper or Intermediate level.

File application and Supplemental Rating Forms with Joan Macintosh, Code 657, Ext. 2371.

Inventory Management Specialist (2 vacancies) GS-2010-5, PD No. 7025016, Code 2582—Technically responsible for inventory management of aeronautical material controlled by this Command, through review, evaluation and adjustment of computer-generated inventory data. Minimum Qualification Requirements: Three years of progressively responsible experience in administrative, professional, investigative or other responsible work which has provided the applicant with a general knowledge of one or more aspects of the supply field. Must have included one year at the GS-4 level or its equivalent. Job Relevant Criteria: Must be familiar with inventory control procedures and regulations; must be knowledgeable in all phases of logistic management.

File applications for above with Claire Lewis, Bldg. 34, Room 204, Ext. 3118.

Budget Analyst, GS-560-5, Code 35111—This position is located in the Budget and Fiscal Branch of the Electronic Systems Department. Major duties include assisting in preparation of direct and overhead budget documents for Code 35, preparation of budget-fiscal control documents, maintains department task assignment files. Minimum Qualification Requirements: As defined in X-118. Job Relevant Criteria: Must have knowledge of Center policies as related to budgeting and fiscal areas, knowledge of Navy accounting procedures.

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



30 YEAR AWARDS PRESENTED—Three decades of Federal service were recognized recently by awards that were presented by Capt. R. E. McCall (center), Commanding Officer of the Naval Air Facility, to Jack H. Kirkpatrick (on left) and Harry L. Myers. Kirkpatrick, who retired from the Navy after 20 years of active duty, has spent the past 10 years as an NWC employee and is currently a test mechanic on experimental aircraft structures for the NAF Targets Division. Myers, also a Targets Division employee, began work at NOTS with the old Aviation Ordnance Department in 1953. Now a supervisory engineering technician, Myers was transferred to NAF when all those working with drones were pulled out of AOD.

UC Santa Barbara Offers Extension Courses Here

Six courses will be offered by the University of California at Santa Barbara Extension for the second semester. The courses, X194B Introduction to Engineering Statistics; X116A Electronic Circuits I; X415 Laser Theory and Technology; X424 Integrated Circuit Technology; 863B Review of Engineering Mathematics II, and X128 Digital Systems Design, are designed to update the skills of technical and professional personnel in a variety of areas.

Registration for the courses will be held one day only, on Jan. 7, 1972, from 1 to 4 p.m. in Room 107 of the Training Center. Students must bring to the registration an NWC Enrollment Form 12410-28, signed by the department authorizing official.

Any of these courses may be taken on a pass-fail basis. Non-government personnel may enroll on a space available basis at the cost of \$20 per unit of credit. All classes will begin on Jan. 17.

Textbooks will be on sale at the Bakersfield College Desert Division bookstore from Jan. 10 to 21. Students are responsible for purchasing their own books.

X194B Introduction to Engineering Statistics, will be held on Mondays and Wednesdays from 4:45 to 6:45 p.m. in Room 203 of the Training Center. Dr. Lee Lu as will be the instructor.

X116A Electronic Circuits I will be held on Tuesdays and Thursdays at the same time in Room 107. Douglas J. Sticht is the instructor.

X415 Laser Theory and Technology will be taught by Dr. Richard S. Hughes on Monday and Wednesday of each week from 5:45 to 6:45 p.m., in Room 107.

X424 Integrated Circuit Technology is scheduled for Tuesdays and Thursdays, at the same time, in Room 203. Henry Blazek is the instructor.

Dr. John J. Zenor will instruct 863B Review of Engineering Mathematics II. The classes will be held on Tuesdays and Thursdays from 7 to 9 p.m. in Room 203 of the Training Center.

Robert D. Coleman is the instructor of X128 Digital Systems Design, slated to be held on Tuesdays and Thursdays from 7 to 9 p.m. in Room 107 of the Training Center.



ENDS ACTIVE DUTY—Ceremonies marking the transfer to the Fleet Reserve of Ronald R. Beatty, chief machinist's mate, were held recently at the NWC Administration Building, where Chief Beatty had served since March, 1970, as a junior officer of the day. A veteran of 20 years of Navy service, more than 14 of which was spent on sea duty, Chief Beatty has returned to his home town of Loveland, Colo.



HONORED BY NATIONAL ASSOCIATION—Senior M-Sgt. Phil Souza, USAF (Ret.), right, resident area counselor for the Non Commissioned Officers' Association, presented the NCOA Achievement award to ASH2 Bill Hagan during recent Christmas banquet held by the local organization. Other recipients of awards during the evening were AOC L. T. Henry, ADR1 Leo Fitz, and ADJ3 John Fisher, who were honored for their efforts in establishing and recruiting members for the Sidewinder Chapter of the NCOA. Capt. R. E. McCall and Mrs. McCall were guests of honor at the affair and Capt. McCall, Commanding Officer of the Naval Air Facility, was presented with an honorary membership in recognition of his support given the founders of the group.



HONORARY MEMBER—ASH2 Bill Hagan presents Capt. R. E. McCall, Commanding Officer of the Naval Air Facility, with an honorary membership in the Non Commissioned Officer's Association. The actual presentation took place during the recent Christmas banquet held by the local organization, at which Capt. McCall and his wife were special guests. The honor was bestowed on Capt. McCall for the support he has given the founders of the local group.

Dental Department Provides Stannous Fluoride Treatment

Beginning Monday and continuing on week days through Thursday, Dec. 30, the Naval Weapons Center Dental Department will administer the three-agent stannous fluoride treatment to children six years of age and older who are the dependents of regular or retired military personnel.

The treatment consists of polishing with a paste rubbed over the teeth, using a small rubber cup,

as well as the application of a topical liquid that is rubbed over the teeth with a cotton swab.

Youngsters receiving this special dental protection are advised to follow it up by brushing their teeth after every meal.

Capt. T. D. Stephenson, NWC Dental Officer, urges all those who are eligible to take advantage of this outstanding tooth decay preventive treatment.

Signups Set For Chapman College Classes

Chapman College will hold registration for term IV from Jan. 3 to 7 at the Chapman College office, 218 N. Sanders St., in Ridgecrest.

Hours of registration will be from 8 a.m. until 4:30 p.m. The office will be closed from Dec. 17 to Jan. 2 for the Christmas holidays.

The college is offering Bachelor of Arts (124 semester hours) degrees in history, psychology, sociology and social science. In addition, students may acquire a Master of Arts in education. Elementary and secondary teacher credentials are also available at the local campus.

Tuition costs are \$37 per unit for undergraduates and \$40 per unit for graduate students.

The following courses will be offered:

Soc., Hist., and Phil. Foundation of Education; Teaching Math in Elementary Schools; Testing Theory and Procedures; Education and Guidance of Gifted Children & Youth; Research Methods; Learning Theories (14-week course); Expository Writing; Twentieth Century U.S.; and Abnormal Psychology. All classes will be held in Pierce Elementary School with rooms to be assigned. Term IV at Chapman College is from Jan. 10 to Feb. 25, 1972.

The Chapman College Residence Center in Ridgecrest is presently interviewing applicants for evening instructors. Military and civilian personnel who hold a Master's Degree are encouraged to contact the office, phone 375-8225.

Tips Given On Driving Over Snowy Roads

With winter storms the highways through the mountain passes in the high desert can suddenly become covered with snow. Here are some driving tips for snow conditions:

Snow covered roads make slower speeds and extra caution a must. Maintain a slow steady pace.

Avoid any sudden maneuvers with steering wheel, brakes or clutch (if you have a stick shift). Automatic transmissions are easier to handle under snow conditions because shifting generally is smoother.

Learn to nurse power steering on slippery roads as over-correction that is not serious on a dry road can send a vehicle into a tailspin on a slick road.

If you do go into a skid take your foot off the gas, do not apply brakes. If rear wheels skid to the left, turn left. If wheels skid right, turn right. Turn the wheel just enough to correct the skid.

Winter braking takes skill. You must start braking sooner than you normally do, using a light intermittent pressure rather than a steady push.

A reminder—seat belts should be fastened. They are never more important than when driving under the conditions described above.



READY FOR BLAST—Some of the 13,700 155mm projectiles containing roughly 200,000 lb. of TNT that was exploded during the ESKIMO I test were inspected prior to the detonation by Col. William Cameron, III (at right), chairman of the Department of Defense Explosives Safety Board. With him is Col. W. K. Hillyer, from Headquarters, USAF, who is an alternate board member. The explosives were piled high within magazines located at the Randsburg Wash Test Range.

Magazine Separation Test...

(Continued from Page 3)

ESKIMO I was assigned to the Ground Operations Division, Code 572, headed by Ray Schreiber and was coordinated locally by Fred Weals, head of the Project Engineering Branch, Code 5721, and by A. R. Sound of the same group who acted as the project engineer.

The bulk of the instrumentation installation, range operations and safety planning was directed by Roy Pullen, head of the Ground Ranges Branch, with the assistance of Frank Pitman, range engineer, and Robert Rasmussen, Joe Winter and Mel Miller who, with their crews, conducted range operations and installed the instrumentation.

In addition, the Test Support Division, Code 574, designed the fire control system and provided construction liaison and supporting instrumentation.

The total test involved the cooperation and active participation of a number of NWC organizations including the Security Department, the Public Works Department which prepared the site and constructed the acceptor magazines through the supervision of L. E. Sidney and E. J. Seybold; and the Ordnance Division of the Supply Department, which arranged for and conducted explosive transport and loading.

The Naval Air Facility and the Air Operations Division jointly provided aerial surveillance, aerial photography and, immediate post-test control of two Air Force aircraft which performed fly-overs in an attempt

to gain data on fragment dispersion using I.R. scanning devices. Priming of explosives and post-test disposal of explosives was accomplished by CWO W. W. Jones and his crew of Explosives Ordnance Disposal experts.

The Earth and Planetary Sciences Division provided liaison with the California Institute of Technology and the U.S. Geological Survey Teams to permit acquisition of seismic data by the above-mentioned groups.

Strike Cancels Local Service By Air West

Due to the strike of the Aircraft Mechanics Fraternal Association against Hughes Air West, all of the air carrier's operations have been shut down.

The Air West afternoon flight schedule, which ran in last week's ROCKETEER, was to be effective beginning yesterday, but now will not go into effect until the labor dispute is over.

Danny Dandurand, of the NWC JAMTO office, stated that Golden West Airlines will continue to operate flights to and from Los Angeles, Monday through Friday, for official traffic.

A flight will leave Inyokern at 6:50 a.m. and arrive at Los Angeles at 7:50 a.m. In the evening, a flight will depart Los Angeles for Inyokern at 8:25, arriving at 9:20.

An additional flight on Thursday and Friday for Inyokern from Los Angeles will take off at 9:15 p.m.

Season's GREETINGS



Chaplain's Wife Nominated...

(Continued from Page 3)

their home to all who may wish to drop by for a word of friendship or counsel—hoping in so doing to encourage those who may be lonely in new surroundings to become more a part of the community and join in its activities.

This kind of involvement has been typical of Mrs. Osman's life as the wife of a military chaplain, who also has been both a mother and homemaker to her own family. Over the past years, she and Chaplain Osman have shared such universal activities as leadership work in PTAs, Cub Scouts, Brownies and Girl Scouts, as well as Sunday School and junior choir work.

The kind of things Mrs. Osman has become involved in at China Lake are typical of the way in which she has devoted herself to community betterment wherever she has made her home.

The list of such activities elsewhere includes organizing the wives of enlisted personnel at the Naval Training Center in Bainbridge, Md., who were her neighbors, into sewing and Bible study groups, and starting a club to teach handicrafts and outdoor cooking to young girls at the Hunter's Point Naval Shipyard, where Mrs. Osman remained during one of her husband's tours of sea duty.

At Jacksonville, Fla., Mrs. Osman was behind involvement of the Protestant Women of the Chapel in programs of aid to needy migrant workers, and during a tour at NAS, Atlanta, she worked intensively with foreign students at Georgia Tech to help them become better adjusted to college life in America.

A tour at the Naval Housing Activity in Yokohama, Japan, became the first opportunity for Mrs. Osman to serve as a Red Cross worker and assist wounded servicemen who were brought from the battlefields in South Vietnam to the Army's 106th General Hospital.

Also while in Japan, the chapel where Chaplain Osman served supported a home for retarded children and Mrs. Osman became involved in this work, as well as in a Japanese orphanage and school for the blind.

Conducting English language classes during which she presented a broad spectrum of American ideas and customs to her Japanese students, some of whom were young businessmen being groomed for work in this country, was another of the ways in which Mrs. Osman, in addition to constantly supporting her husband, has reached out in her own way to touch and influence lives in the civilian and military communities wherever she has resided.

Assessments Due Following Frank Anderson's Death

Assessments are now due from members of the China Lake Mutual Aid Society and the Government Employees Benefit Association following the death of Frank Anderson, 77, at Loma Linda Hospital on Dec. 13.

Anderson, a former employee in the Metal Trades Branch of the Public Works Department, succumbed to pneumonia.

All CLMAS and GEBA members are urged by Larry Mason, secretary, to contact the collectors in their work areas as soon as possible with their payment of the latest assessment, and also are asked to clear up any past due assessments before the end of the year.

Membership in CLMAS and GEBA is open to all NWC employees. Information about joining can be obtained by calling Mason after working hours at 375-2846.



HONORARY GOLD HASHMARKER—ACI L. R. Glasscock, left, party chairman of the China Lake Gold Hashmark Club, presents Capt. R. E. McCall, Commanding Officer of the Naval Air Facility, with a card proclaiming him an honorary member of the organization. The presentation took place during the club's annual Christmas party, held Dec. 10.



SECRETARY HANSEN VISITS NWC—The Honorable Grant L. Hansen, Assistant Secretary of the Air Force for Research and Development, (center, facing camera), paid a short visit to NWC Tuesday, accompanied by his wife, Iris, (foreground, back to camera) and Col. Robert J. McCormick, military assistant to the Assistant Secretary. On hand to greet the distinguished visitor were Mrs. William J. Moran, (back to camera, shaking hands with Secretary Hansen), H. G. Wilson, NWC Technical Director, right, Maj. R. L. Brown, USAF Liaison Officer at NWC, on Mr. Wilson's right, and Capt. A. E. May, Deputy Commander of NWC, third from right.



PRESENTED WITH SOUVENIR—Iris Hansen, center, wife of the Honorable Grant L. Hansen, Assistant Secretary of the Air Force for Research and Development, peers over the shoulder of Ruth Moran, wife of Rear Adm. William J. Moran, NWC Commander, who is signing a copy of "Rock Drawings of the Coso." The book was presented to Mrs. Hansen during a visit to the Matungo Museum and the Weapons Exhibit Building, guided by K. H. Robinson, left, director of the museum. Prior to the tour, Mrs. Hansen was the guest of honor at a luncheon held by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM). The Burroughs High School choir entertained at the affair.

Desert Campus Makes Plans For Summer Session

Will students, home for the holidays, be willing to think about a college summer session? This is the question posed in a mail survey sent this week to recent graduates of Burroughs High School by Bob Rafal, coordinator of Summer Sessions for the Desert Campus of Bakersfield College.

The six week session, beginning on June 12, 1972, is the first summer program scheduled at the Desert Campus since 1969.

According to Rafal, current college students and those planning to begin in the fall of 1972 can benefit from a summer session by completing one or two courses which will transfer to their college programs.

Holiday Message

With the arrival of another Yuletide season, it's timely and fitting to once again extend sincere best wishes for a very Merry Christmas and a successful and productive new year to all military and civilian personnel of the Naval Weapons Center and their families.

As Christmas Day approaches, and the perennial message of "Peace on earth, good will toward men" once again spreads throughout this and other lands around the globe, it is appropriate to reflect on the part efforts made here are playing and will continue to play in maintaining the freedom of many peace-loving nations throughout the world.

It is with a feeling of satisfaction in the results of the past year's efforts, while at the same time looking forward with optimism to the future, that we wish each and every one of you the most joyful of holiday seasons, filled with warmth and cheer, and a new year that will bring both happiness and fulfillment.

RAdm. W. J. Moran, USN
NWC Commander

H. G. Wilson
NWC Technical Director

Noted Pianist Leonard Pennario To Present Concert Here Jan. 6

Child prodigies who maintain success in adulthood are rare in any field but rarer still in the world of music. The art of the musician demands constant growth, deepening understanding, broadening scope in interpretive ability—in a word, maturity.

Technical facility and precocity, so admirable in young talent, must be reinforced by all of the above to meet the demands of the great composers who have brought their mature genius to the art of music.

Such is the opinion of Leonard Pennario, the noted American pianist, who will appear here on Thursday, Jan. 6, at the Center Theater in recital under the auspices of the China Lake Civic Concert Association.

Single admission tickets, priced at \$5 for adults and \$1.50 for military and students through 21, will be on sale at the box office. In addition, season tickets are still available and may be purchased at the box office on the night of the concert.

Pennario is especially equipped to speak on the subject of prodigy vs. maturity. As a prodigy, he made his debut at the age of 12 with the Dallas Symphony. As a young pianist, aged 18, he was called upon by the late, great Dimitri Mitropoulos to play a special memorial Rachmaninoff concert.

As a professional concert pianist since his 1936 Dallas debut, he has performed throughout the United States, Canada, Europe, Australia and New Zealand. He has appeared in the major concert halls of the world both as recitalist and as soloist with a lengthy list of the world's finest orchestras, including the New York Philharmonic, the London Philharmonic, the Boston Symphony, the Chicago Symphony and the Philadelphia Orchestra.

His recordings for RCA and Capitol Records have repeatedly made the best-seller lists. And the list of the world's great conductors who have chosen him as their soloist reads like a Burke's Peerage of the music world.

With a list of triumphs unmatched by his contemporaries and equalled by only a few elder statesmen of music Leonard



Leonard Pennario

Pennario was always aware of the Rubicon of the musician—that distance that divides the craftsman from the artist.

Where he could have rested comfortably on the many laurels that came his way as a young musician, he chose the thornier path of study, concentrated practice and intensive examination of himself both as a musician and as a human being.

As each season saw Pennario advancing as a professional pianist, each season also bore witness to his expanding interpretive powers.

For a short time, Pennario felt that he had really accomplished what he had set out to do. But the

Surplus Sale Is Slated Tomorrow At Marine Base

A retail sale will be held on Saturday, Dec. 18, between 9 a.m. and 1 p.m. in the east end of Building 165, Property Disposal Branch at the Marine Corps Supply Center in Barstow.

The sale is open to all military personnel, civilian employees of the Marine Corps Supply Center, and to the general public as well.

All sales will be on a cash-and-carry basis. Buyers will be required to remove the items the day of the sale. Personal checks will not be accepted.

words, "constant artistic growth," kept running through his mind. The result was his realization that he could never rest on laurels. The world of music is large and the genius of its composers is even greater. It was a simple case of "back to the piano." Pennario was happy to know that he was no longer simply a brilliant young pianist but a mature musician. The challenges of the piano now are different, but somehow just as exciting.

When Leonard Pennario appears here, local audiences will have a chance to see and hear for themselves an artist who has fulfilled the promise of his youth—a mature musician whose fulfillment as a pianist has been recognized in fact and deed.

Changes Noted In Rocketeer Staff Schedule

Today's Rocketeer is the last issue for 1971. Essentially, the office will be closed for staff vacations from 4:30 p.m. Dec. 17, to 7:30 a.m.; Jan. 3, and the members of the staff will take advantage of the break to spend the Christmas season with their families.

The next publishing date is Jan. 7, 1972. Although in the past the Rocketeer has shut down completely during the holidays, this year a minimum staff will be available during regular duty hours the week of Dec. 20 to Dec. 23, and on Monday, Dec. 27. Persons who have material for submission to the Rocketeer may do so on those dates. Should there be a requirement for planned stories or recording of special events, both editorial and pictorial areas will be covered.

The staff of the Rocketeer extends its best wishes to all for a very Merry Christmas and a Happy New Year, and a hearty thanks to all who have contributed their time and effort, news and information, during the past year.



VISITS NWC—Rear Adm. R. S. Miller, Assistant Commander for Research and Technology, Naval Air Systems Command, visited NWC Dec. 6 and 7. He was met at the Naval Air Facility by Capt. R. E. McCall, left, Commanding Officer of NAF, and Capt. A. E. May, center, NWC Deputy Commander. While here, Admiral Miller visited Echo Range and sat in on some briefings conducted for members of the Naval Research Advisory Committee. In addition, he was shown filmed highlights of the Center's programs and attended a special conference headed by Dr. W. B. LaBerge, the Deputy Technical Director.

—Photo by PHAND W. Yeatts



MILITARY WIVES CLUB MAKES DONATION—Mrs. W. J. Moran (2nd from right), presents a check for \$700 to Mrs. Charles Gillespie, of the Miramar Naval Air Station, secretary-treasurer of the Fightertown POW Fund, recipients of the donation. The money was earned by the Military Wives at their booth during the WACOM Christmas Bazaar. Mrs. Thomas Cook, left, and Mrs. Richard Wright, right, members of the club, look on. Mrs. Gillespie's husband, Capt. Charles Gillespie, has been a POW for four years. Money donated to the Fightertown POW Fund is used for travel expenses and enables Fund officers to travel to Washington and other places in support of the men held prisoner in Southeast Asia.

Summer Employment Exam Applications Being Taken

Students interested in taking a nationwide examination leading to possible Civil Service temporary appointments next summer have until Friday, Jan. 7, to apply for the second examination in the current series by forwarding their completed application to Washington, D.C.

The second summer employment exam will be held on Feb. 12 and, for applications received later than Jan. 7, but before Feb. 2, the third and final exam is scheduled March 11.

All high school students who will 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 credit, coupled with a cumulative grade-point average at the time they apply of 3.5 or better out of possible 4.0 with a major in any field of study.

In the case of students with a

major in engineering, physical sciences or architecture, they will be permitted to by-pass the summer employment exam if they have a cumulative grade-point average of 3.0 out of a possible 4.0.

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

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

Issuing Of Navy Driver's Licenses Halted

During the holiday period, beginning Monday, Dec. 20, and continuing through Friday, Dec. 31, no government driver's licenses will be issued.

Navy driver's licenses due to expire this month should be renewed no later than today.



FOREST SERVICE MEN BRIEFED—Among recent visitors to the Naval Weapons Center were U.S. Forest Service personnel who were brought up to date on several ways in which methods and techniques developed at the Naval Weapons Center also can be utilized in their field of work. The visitors (at left) Charles W. Howard, Ernest W. Amundsen and Farnum Burbank and (on right) Dr. Boone Y. Richardson, are shown with Dr. W. B. LaBerge (in center) NWC Deputy Technical Director, and Robert G. S. Sewell, a physicist in the Research Department. Amundsen is from the Forest Service Equipment Development Center at Missoula, Mont., which is headed by Burbank; Howard is from a similar U.S. Forest Service facility at San Dimas, Calif., and Dr. Richardson is the chief development engineer for the Forest Service Division of Engineering in Arlington, Va. The Forest Service men received briefings on weather modification, avalanche control, forward looking infrared and chemiluminescence. In return they presented information on Forest Service programs.



NEW ARRIVAL—Lt. (jg) Susan Steele reported for duty recently at the Naval Weapons Center Dispensary, following a little more than a year's time at the Naval Hospital in Oakland. A native of New Bedford, Mass., Lt. Steele enlisted in the Navy for two years in September, 1970. Prior to joining the Navy, she completed her nurse's training at Union Hospital in Fall River, Mass., and was employed at Taunton State Hospital in Taunton, Mass.

Join Us for An OLD-FASHIONED DINNER at Christmas

The NWC Food Service Division will serve Christmas dinner for enlisted personnel, their dependents and retired military and their guests on Christmas Day from 2 to 5 p.m. on a continuous basis. Prices for the meal are:

Enlisted personnel on comrats	\$1.00
Wife or guests	+ 1.50
Children under 12	+ .75

+This price includes a surcharge

Christmas Menu

Spice Tomato Juice	Cream of Turkey Soup-Crisp Saltines
Prime Rib Roast	Christmas Baked Ham
Natural Beef Gravy	Raisin and Orange Sauce
Mashed Sweet Potatoes w-Fresh Fruit Garnish	Snowflake Potatoes
Buttered Peas w-Mushrooms	O'Brien Corn w-Red Peppers
Relish Tray	Assorted Salads
Tossed Vegetable Salad w-Hot Bacon Dressing	Perfection Salad on Crisp Lettuce
Stuffed Celery w-American and Swiss Cheese	Cottage Cheese Salad with Sliced Tomato
Assorted Salad Dressing	Amara Mayonnaise
Thousand Island	Blue Cheese
Vinegar & Oil	Assorted Breads
Brown & Serve Rolls	American Apple Pie with Cheese Slices
Pumpkin Pie	Assorted Fresh Fruit
with Whipped Cream	Assorted Nuts
Fruit Cake	Assorted Candy
Assorted Ice Cream	Assorted Fresh Fruit
N.W.C. Style Egg Nog	Chilled Fresh Milk
Chilled Chocolate Milk	Iced Tea w-Lemon Wedges

Meal tickets will be on sale in the Food Service office from 8 until 11 a.m., and 1 to 3:30 p.m. from Dec. 13 until Dec. 23.

SecNav Extends Greetings

As the holiday season approaches, I urge that Navy and Marine men and women everywhere pause to reflect with pride that in this time of doubt and turmoil they continue to provide to all our people a living example of steadfast dedication, loyalty and courage as they stand between America and those who wish her ill, and I ask that each of you remember in thought and prayer your brothers-in-arms who still endure in hostile hands at this season of warmth and love.

To all members and civilian employees of the United States Navy and Marine Corps, and to your families, I extend my very best wishes for a merry Christmas and a happy and peaceful New Year full of good health and happiness.

John H. Chafee
Secretary of the Navy



"TOYS FOR TOTS" DRIVE A SUCCESS—Firemen of NWC repair bicycles donated to the "Toys for Tots" drive that is now in the process of being finalized. The highly successful joint Marine Corps-firemen effort will see more than 360 children benefitted this Christmas. A Marine spokesman stated that persons who still wish to donate new toys (not broken or used), may still do so today at Firehouse No. 1. Sixteen bicycles and 16 tricycles were donated to the worthwhile cause. The firemen of NWC and Marines offered residents of the Indian Wells Valley a hearty thank you for the hundreds of toys collected during this drive.



FIRST IN CHRISTMAS PARADE—Lt. Rosemary Waller, Naval Air Facility Personnel Officer, holds the first place trophy presented to Capt. R. E. McCall, Commanding Officer of NAF, for NAF's award-winning float in the annual Christmas parade. Maj. John Pipa holds the trophy he received for the fly-over he performed during the parade. Lt. E. C. Middleton (at left) NAF Chaplain, who was the float chairman for the parade, made the presentations.

—Photo by PHAN D. W. Yeatts

Happenings Around NWC

The Cactus Squares dance club will hold a New Year's Eve party at the Community Center from 9 p.m. until 1 a.m. President Lou Sidney promises fun and games for all those who attend.

The Cactus Squares' Acting, Marching and Drinking Society will provide the entertainment. A donation of \$3 per couple will be asked, and door prizes will be awarded. Each couple is to bring a small bowl of dip. The club will provide punch and chips.

EM CLUB NEWS

Bob Furey, manager of the Jolly Roger (EM Club) has reported that "an outstanding Rock and Roll group" from Los Angeles will play music for dancing tonight and tomorrow night, from 9 p.m. until 1 a.m. at the club.

All members and their guests are invited to come out for an evening of fun and dancing.

ROA PARTY SLATED

Members and potential members of the Indian Wells Valley chapter of the Retired Officers Association (ROA) are invited to a traditional Christmas party to be held Tuesday, Dec. 21, in the Sun Room of the Commissioned Officer's Mess.

The annual affair will replace the regular meeting for December. A social hour will begin at 6 p.m. All those who attend are asked to bring a gift for a needy child, holiday wrapped and marked for a boy or a girl, with the approximate age group noted on the package. Gifts of money are acceptable.

Any man or woman who has served in any branch of the Armed Forces or with the Coast and Geodetic Survey, or any service reserve, is welcome to join the ROA.

KITS AT HOBBY SHOP

The Woodworking Hobby Shop is open to all NWC employees, civilian and military, and with Christmas rapidly approaching has stocked many varieties of model kits. In addition, tools and supplies needed for model building are available at the shop.

Hours for the facility are 6 to 10 p.m., Wednesday through Friday and from 9 a.m. to 5 p.m. on Saturday. The shop is located off Lauritsen next to the Station Restaurant.

GROUND BREAKING

Ground breaking ceremonies for the Desert Empire Fair's permanent exhibit building will take place at 12 noon, Wednesday, Dec. 29, on the fairgrounds. All interested persons are invited to attend.

Owners Must Register All Motorbikes

In accordance with NWC Instruction 5560.2A (Identification of Unlicensed Motor Vehicles) all recreation type motorcycles and minibikes, which do not bear state license plates and a NWC decal, are required to be registered with NWC Vehicle Control by Jan. 17, 1972. This applies to all such vehicles operated on board NWC (including Desert Park).

In order to facilitate the registration of these vehicles, two special registration dates were established. The first registration operation took place on Saturday, Dec. 11. On Saturday Dec. 18, between 9 a.m. and 3 p.m., the second operation will occur at the Richmond Road (south) gate.

The second operation will provide a convenient location for persons living in Desert Park and the southeastern part of the Center. In addition to issuing a special "Unlicensed motor vehicle decal," Police Division personnel will inspect each vehicle with emphasis on muffler noise emission, brakes and tire condition.

Persons under 16 years of age must be accompanied by a parent or guardian when presenting a vehicle for registration. For further information contact the Vehicle Control Section at Ext. 3790.



20 YEAR PINS PRESENTED—A cumulative total of 100 years of federal service has been logged by five Central Staff employees who were the recent recipients of 20 year pins. The service awards were presented by Mel Sarge (at left), head of Central Staff to (from left) Merle Dalton, Bob Driggs, Lillian Wold, Fred Nathan and Mable Hawley.

Post-Graduate Training Applicants Sought

Applications with an endorsement signed by the applicant's department head will be accepted from now until Jan. 15 from persons interested in participating in the Weapon Control Systems Engineering (WEPCOSE) post-graduate training program for 1972-73.

The Naval Weapons Center has

participated in the WEPCOSE program for a number of years. Primary objective of the program is to meet a continuing need for qualified personnel in the physical sciences and for engineers in the field of weapon control systems engineering.

Courses of study offered are full-time for nine months and, in exceptional cases, 12 months. Graduate training will be offered at the following universities:

Massachusetts Institute of Technology, Cambridge, Mass.; Rensselaer Polytechnic Institute, Troy, N. Y.; Ohio State University, Columbus, Ohio; University of Michigan, Ann Arbor, Mich.; University of Washington, Seattle, Wash.; Stanford University, Stanford, Calif.; UCLA and the University of California at Berkeley; California Institute of Technology in Pasadena, and the University of Rhode Island at Kingston, R. I.

In order to be considered for this post-graduate training, applicants should be employed in, or perform work related to, the field of weapons control systems development. They also must have a degree in aeronautical, chemical, electronic, mechanical or marine engineering, mathematics or physics, and be admissible to an appropriate graduate school.

In addition, it is desirable that all candidates have completed a minimum of two advanced mathematics courses beyond differential equations, and a basic course in servomechanisms.

The completed applications must be submitted to Code 6009 no later than mid-January. Selection of the recipients of the WEPCOSE training awards will be made by a committee designated by the Office of Civilian Manpower Management in Washington, D.C., from candidates nominated by Naval Laboratories and Centers.

The award provides for payment of salary, tuition and all travel and moving expenses allowable under the Joint Travel Regulations for training purposes.

Additional information and answers to questions about how to apply for the WEPCOSE post-graduate training program can be obtained by contacting the NWC Education Office, Code 6091, phone Ext. 2641.

A Look Into The Past From The Rocketeer Files

25 Years Ago . . .

The Station prepared for Christmas as the Recreation Committee offered prizes for the best decorated office, home exteriors and school rooms . . . The Rocketeer advertised for a sports writer . . . The USO Club ended a 15-month hiatus at Ridgecrest . . . Spectators at a basketball game between a team from Transportation and one from Supply loudly booed the participants for a poor showing, which means that times haven't really changed much.

15 Years Ago . . .

Two hundred and eighty Station children attended a Christmas party, co-hosted by NAF and VX-5 . . . Clint Walker, at that time starring in TV's "Cheyenne," visited the party, complete in six-guns and Western regalia . . . Civil Service examiners met at NOTS to hold a two-day study of the Civil Service Examining system . . . The Recreation Committee sponsored a "name the golf course" contest.

5 Years Ago . . .

The big news was the Kernville flood, and the role that Center personnel played in expediting the delivery of supplies and food to those suffering hardships from the disaster . . . NAF personnel operated a helicopter "lift" service for stranded flood victims . . . The Employee Services Board assumed the management of the Beauty Shop, the Barber Shop and the Child Care Center . . . Jim Greenfield, head of Public Works' General Services Branch, along with other Center employees, journeyed to Kernville to see if a temporary bridge could be erected to replace the bridge wiped out in the flood.



Santa Is Delightful Myth

By Jack Lindsey

If children in this country should wake on the sixth of December and find their stockings full of candy and toys, their parents would probably think that the jolly old elf who comes down the chimney had lost his wits and arrived about three weeks too soon.

However, to children in other parts of the world, his arrival would seem exactly on time, for the feast of Saint Nicholas is the sixth of December. How he became the patron saint of the day of the Saint of Saints, Jesus Christ, is another story, one which will be told here.

Nicholas was an actual person. Although he is probably the most popular saint on the calendar, very little is known of the actual man.

He was the bishop of Myra, in Lycia, Asia Minor, in the beginning of the fourth century, of the Christian Era. He was the youngest bishop in the history of the church, and was persecuted along with other Christians during the reign of Diocletian, the Roman emperor. Later, he was released and honored when Constantine the Great established the Christian Church as the official religion, approximately 325 AD.

During his lifetime, Nicholas became the special patron saint of maidenhood by providing the dowry for three penniless daughters of an impoverished nobleman. In addition, he is the patron of all who go down to the sea in ships. A busy benefactor, he is also the patron saint of schoolboys, and this brings him close to us as Santa Claus, the bearer of gifts and the special saint of childhood.

A famous legend about him tells how he brought three young boys back to life. On their way home the boys stopped at a farmhouse. The farmer and his wife murdered them, cut their bodies in pieces and put them into casks used for pickling meat. St. Nicholas arrived, charged the murderers with their crime and caused the boys to rise from the casks fully restored.

Americans owe the cheery saint of Christmas to Holland and Germany. In Belgium and Holland the festival of the saint is still observed on his birthday, December sixth, and the jollities and excitements are much the same as those enjoyed here at Christmas. As his feast is celebrated there, he rides a horse or an ass instead of driving a team of reindeer and leaves his gifts in stockings, shoes or baskets. And for children who have been naughty, he leaves a rod by way of admonition.

If the parents are too poor to buy gifts, the children say ruefully that the saint's horse has glass legs and has fallen down and broken its foot. The horse, or ass, of St. Nicholas is not forgotten; the children leave a wisp of hay for it and in the morning, the hay is gone.

It is said that Santa Claus' reindeer came from Scandinavia, a country whose folklores are allied with those from Germany, and of course, since Clement Moore's poem, "A Visit From St. Nicholas," reindeer are recognized as the conveyance of Santa Claus (or St. Nicholas) everywhere.

The career of Santa Claus through the ages is as mysterious as his annual flight. It is supposed that he went directly from Germany or Holland to England, just as the Christmas tree was transplanted to England after the customs of Germany and Scandinavia.

There is every likelihood that Santa Claus, having become a good American colonist, recrossed the Atlantic in an English ship. He has long been a well-established figure in the Christmas customs of not only the English, but throughout their entire Empire. The allegiance of English children, however, is divided. Some believe that Santa Claus brings their presents, others think that the gifts come from Father Christmas, a more recent creation.

The legend of Saint Nicholas is a lovely and delectable myth, the last living relic of the vanishing world of dreams. The fairies are gone. No little children or innocent maidens watch through the ardent summer nights to catch the songs and dances of the tiny people. Witches are gone. Ghosts are no longer in fashion, and hobgoblins and lonely graveyards are now the sole property of Halloween and Hollywood.

So let's keep Santa Claus as long as we can. There are some excellent people who are scrupulous about not wishing to deceive their children with such legendary nonsense. They are mistaken. Children learn to see soon enough, too clearly and too well, or to think they do. Let's leave them with at least one thrill of passionate mystery that may linger with them when the years begin to grow too plain and dull and bare.

There is yet a still deeper value in the preservation of Santa Claus. Santa Claus, or St. Nicholas, or whatever he is called, the giver of gifts, patron saint of childhood, is a symbol of love. In this world, full of turmoil and hardship, love is the ultimate goal. And nothing is purer, when you love, then the love offered your fellow man, such as that shown at Christmas time.

On Christmas Eve, before retiring, let the children put out the milk and cookies, and maybe some hay for Santa's reindeer, and coach them in the hanging of their stockings in preparation for the Elf's visit. Oh yes, it's deception, but the glow on their faces and the shiny look in their eyes and the love in their hearts for "jolly old Santa" is only an echo of the same feelings shown by children since mankind began to recognize a feast of the Saint of Saints, the Christ child. And that is sure to touch your own heart and bring remembrances of your own childhood when it was "good."

