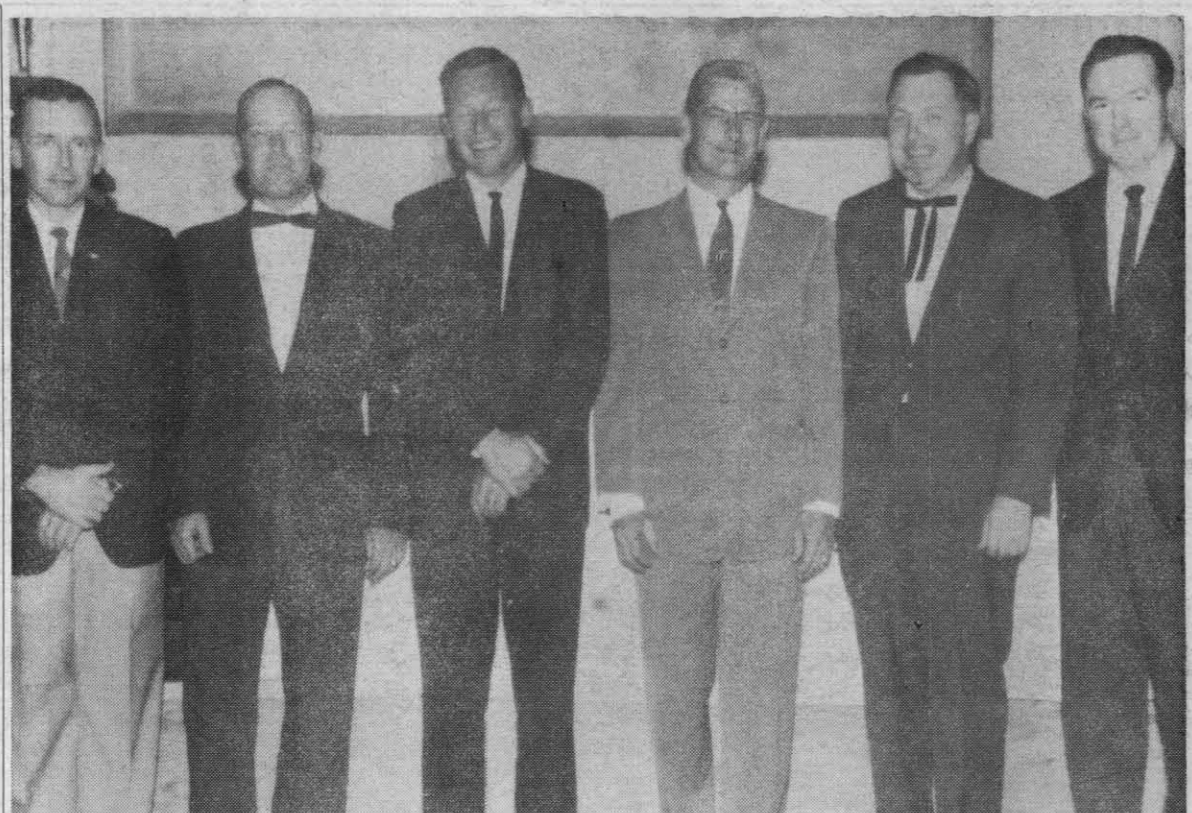


CROSSWORD PUZZLE

Crossword puzzle grid with clues for Across and Down. Includes a small word search puzzle at the top right.

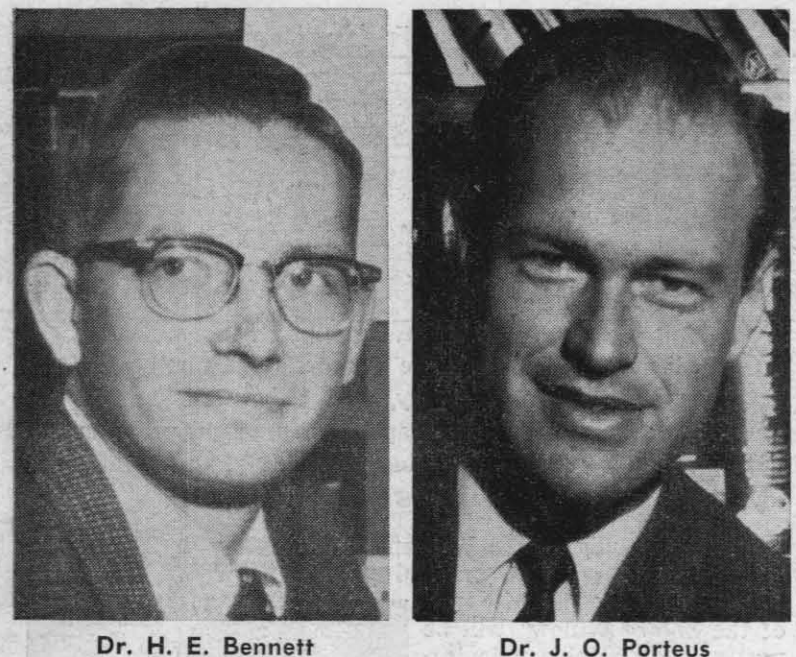


C.O.M. ADVISORY GROUP—Five members of the Advisory Group to the Commissioned Officers Mess (Open) who were elected at the general membership meeting held at the Officers Club shown (l-r) are: LCdr. Gary Palmer, 2 years; Lt. Col. "Tex" Ritter, USMC, 1 year; Dr. Roland Von Huene, 2 years; Cdr. Jack Sichel, 2 years; Dr. Pierre St. Amand, 1 year; and John DiPol, 1 year. WACOM's representative to group is Maura McCreery.

Commissary Store To Be Closed Dec. 24. The Commissary Store will be closed on Monday, Dec. 24. Patrons are advised to plan their Christmas grocery shopping in advance.

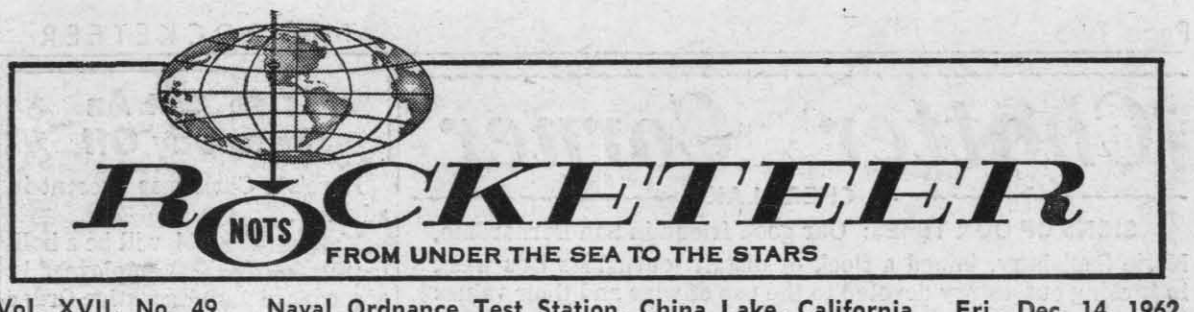
VA Will Pay Ins. Dividends In Jan. 1963. Washington — Both the regular and the special dividends on National Service Life Insurance policies will be paid in January according to the Veterans Administration.

SHOWBOAT listing for Friday, Dec. 14. Includes titles like 'The Lady and the Tramp', 'The Day Mars Invaded Earth', and 'The War Lover'.



Research Pair Named For 'Best Paper' Award

A research paper co-authored by two Research department scientists has been judged by the Scientific Research Society of America as "the best paper published at NOTS in 1961," according to an announcement made this week. The paper, entitled "Relation Between Surface Roughness and Specular Reflectances at Normal Incidence," was co-authored by Drs. H. E. Bennett and J. O. Porteus.



Vol. XVII, No. 49 Naval Ordnance Test Station, China Lake, California Fri., Dec. 14, 1962

NOTS Balloonist Successful In 17-Mile Attempt

NOTS scientist William C. White was scheduled to return to earth by 4:00 a.m. Friday from an 85,000-foot ascent by balloon from the Air Force's Holloman Base in New Mexico. The flight got off at 10:00 a.m. local time Thursday, "with all conditions highly favorable," according to "J" "T" Bibby, NOTS Public Information Officer, who was on the scene.



RED-NOSED PORPOISE float, with "Notty" greeting viewers, will be paraded through residential areas of Station next Tuesday evening. Ray Sinnott, Exhibits director, TID, (on ladder) and Charles Nardone, float designer and Graphic Arts Branch Director, TID, lift "Notty" onto perch in preparation for tour. Sound system, provided by John Boyle, AOD, via "Loudmouth" amplifying system, will broadcast special Yuletide greetings. Float's lone passenger will be St. Nick, of course, to guide "Notty" on tour.

Yule Decoration Contest Announced

Plans for the annual community-wide Christmas home decoration contest, to be conducted jointly by the Ridgecrest Chamber of Commerce and the China Lake Community Council, were outlined at a luncheon meeting last week of the local businessmen's group.

Entry Blank Christmas Home Decoration Contest

I will have an entry in the following division of the Christmas Home Decoration Contest, sponsored jointly by the Ridgecrest Chamber of Commerce and the China Lake Community Council. Check one: [] Door decoration [] Outside yard decoration [] Window decoration [] Sweepstakes (all divisions)

Washington — Both the regular and the special dividends on National Service Life Insurance policies will be paid in January according to the Veterans Administration. The two dividends will total more than \$327 million. About \$222 million is the regular dividend. A special dividend of \$90 million will go to World War II NSLI policyholders and \$15 million to World War I veterans who hold U. S. Government Life Insurance policies.

With one exception in 1961, regular NSLI dividends have been paid on the anniversary dates of individual policies. In 1961 they were paid by mid-March. Also paid in 1961 was a special dividend on World War II NSLI policies.

The special dividend will be paid from the contingency reserve fund due since study and experience indicate that the fund is more than ample to meet the needs of the insurance program. VA officials are reminding policyholders that the preparing and mailing of the dividend payments is automatic and requires no correspondence from veterans or their families. In fact, such correspondence might delay the disbursement, they said.

Fire Safety Rules For Christmas Trees

In view of the pronounced fire hazard presented by Christmas trees and other decorations, all personnel are cautioned to exercise the utmost care in fire prevention both in the home and on the job. The following rules are submitted for guidance and application: 1. Use no paper, cotton or other combustible decorations. Approved flameproof materials may be acceptable, but every effort should be made to use non-combustible decorations.

Current Leave Year Expires Jan. 6, 1962

Employees and supervisors are reminded that, in general, employees cannot carry over more than 30 days of annual leave credit into the new leave year, which commences 6 Jan. 1963. As an exception, employees who have individual annual leave ceilings of more than 30 days may carry up to the amount of such ceiling over into the new leave year. Such cases are employees who had more than 30 days annual leave at the end of 1952 and have not yet used it. It is the Station's policy that the granting of annual leave will not be restricted to the extent that the employee forfeits earned leave, except under extreme circumstances. Supervisors and employees who have paid diligent attention to scheduling the use of annual leave during the past year will find no problem in using the residue of any "excess" before the end of the current leave year.

TEMPERATURES table with columns for Date, Max., and Min. showing temperatures from Dec 6 to Dec 13.

LOCAL GROUP HOSTS

Reserve Officers Here For Training Tour

By BUDD GOTT. NOTS Naval Reserve Supply Corps Company, 11-8, will host 40 Naval Reserve Officers from Reserve Supply Companies throughout the 11th Naval District, this weekend, in a group training tour. The reservists are expected to arrive by plane Saturday at 9 a.m. to begin their tour. First on the agenda will be a visit to NOTS \$2 million Skytop Testing Facility for Polaris motors. It is the only vertical nozzle down facility in the nation available to the Navy for full-scale Polaris testing. The tour will be conducted by Lt. John French, USNR-R, of the local WEPTU unit 774. The tour will be followed by presentations which will include Capt. Carl Holmquist, NOTS Technical Officer, speaking on the Station's Technical Programs; a talk on Weather Modifications (a recent NOTS study) by Dr. Pierre St. Amand; a discussion of Free-Fall Weapons by Dr. Marquerite M. Rogers; a lecture on the air-to-air Sidewinder missile by Bob Sizemore. The visitors will be conducted on a tour of NOTS ranges by Dick Rusciollelli. Capt. Bernard McCreery, NOTS Director of Supply, will brief the visitors on logistic problems in supplying a Naval Research Station, larger in land area than the State of Rhode Island, and its complexities from basic research, missile parts, electronic gear, to supersonic plane parts. The hosting China Lake Supply Corps Company is commanded by LCdr. Carl Hamel, commands the hosting local Reserve down facility, which includes Cdr. Ed Fox, Cdr. John McGlothlin, LCdr. Bill Davis, and Lt. Col. Frank MacDonald. Visitors. The reservists civilian occupations range from corporation executives, city manager, attorney, optometrist, financial analyst, teacher, rancher, banker, etc. Six captains, 14 commanders, 12 lieutenant commanders (one a Wave), 6 lieutenants (one a Wave), and 2 chief warrant officers, comprise the group. Expected to participate in the tour are: Capts. Thomas W. Morby, W. T. Patterson, John Y. (Please turn to Page 3)



ANOTHER VX-5 FIRST! Arrival of the Navy's new A-4E (A4D-5) at China Lake for use in VX-5 in early December gave local squadron distinction of the first to receive new plane. Project pilots LCdr. G. H. Palmer (left) and LCdr. L. D. Hughes transfer log records of "Skyhawk" to VX-5 skipper, Cdr. W. A. Schroeder. Squadron has four of the new craft. The China Lake squadron will be featured in an article to be published in Naval Aviation News Magazine in Feb. 1963. The story will cover planes now in use.



FOREST GREENERY—Effective landscaping and a profusion of trees make the residence of Mr. and Mrs. Joe E. Smith at 404-B Princeton a "Home Beautiful." A neat white picket fence encloses a well cared for lawn. Community pride is reflected by the Smith's home.

Captain Quense Recuperating From Surgery

Captain John A. Quense, Station Executive Officer, is recuperating at the San Diego Naval Hospital following surgery performed last Wednesday, according to local medical authorities.

Word received here late last week indicated that the operation was successful and that he would be in convalescence for an undetermined period.

Social Security Man To Be Here Dec. 19

A Social Security representative from the Bakersfield office will be available in the Community Center from 8:30 to 11:30 a.m., Wednesday, Dec. 19, to answer questions regarding Social Security.

Form with fields for 'From', 'TO', and 'PLACE STAMP HERE'.

Chatter Corner

By CHERI LAKE

SIGNS OF OUR TIMES: Our good friend in San Bernardino, Marie Saulsbury, joined a flock of distaff journalists this week in turning out a story devoted to the use of wigs and their values to the modern-age gal. Out of it all, I gleaned some aspects that impressed me . . . such as "A working girl who spends all day in the office, yet wants to look glamorous for her date that night, finds her wig indispensable and wonders how she ever got along without it.

"The housewife whose husband suddenly remembers and important dinner that they must attend . . . or that an out-of-town guest will be home that evening with him for dinner . . . need not panic. She would smile smugly, don her wig and she's ready!"

The good wig, according to Marie, ranges in cost from \$200 to \$1,000 and the hand-tied variety can run much higher.

At any rate, it's well worth exploring. And, you might look into this . . . for what it's worth.

I suppose this will prompt somebody to come up with the suggestion that whoever makes wisecracks about women's wigs is a wig wag.

Did you know that there is a national organization known as the Little People of America, Inc., limited in membership to adults under five feet tall? It has its annual convention and all the other aspects of national organizations.

There is a marked revival of interest in McGuffey's Readers that your great-grandparents studied. Reprints of the entire series are available, including some in paperbacks.

It hasn't been announced, but . . . personable Marge Foster, our local beautician since 1945, has "charm" plans in mind for La Mesa, Californians in the early part of 1963. With the retirement of her hubby, Otto, from duties at the Station barber shop after the New Year, Marge will open her own shop in that southern California city. I know I'm joined by so many of Marge's friends in extending to this plucky gal, in advance, our most sincere good wishes in her new venture!

A SEASON HIGHLIGHT . . . Bouquets of orchids go to our WACOM ladies for the outstanding Christmas fashion luncheon held this week at the Club.

Twenty-two stunning creations, designed and presented by the models, reflected the fashion trends of our times plus a wide array of individual talent. Narrated by Mary Wickendon, the show included a wide display of wigs . . . which harks back to the lead note in this week's column.

Showing in the event were Louise McEwan, Marilyn Clark, Terry Stromski, Dorothy Mallory, Doralee Smithson, Mariel McEwan, Alene Margan, Theresa Valenteen, Evelyn Mayrne, Angie Tambini, Charlotte Walker, Cathy Schroeder, Jo Ann Rusciolli, Anne Gilmer, Doris Valitcka, Caroline Jagiello, Helen Breslow, Marcia Donnan, and Bert Smith.

In offering this column's congratulations to WACOM for their outstanding show, we'd also like to add that it provided our local audience with a strictly "Big City" flavor.

THE FESTIVE SEASON IS WITH US, LADIES. (And, the rest of this tid-bit may be interesting to our male readers, too!) Somehow, the joyous aspects of the Yuletide come to me a bit on the tarnished side when I start thinking of the pots and pans sessions that go into my Christmas preparations. In hopes that it'll make your menus a little more cheerful and perhaps introduce an idea or two, here is one of my favorite recipes for the season.

SNICKER DOODLE COOKIES

- 2 sticks butter or margarine
- 1 1/2 cups sugar
- 2 eggs
- 2 teaspoons cream of tartar
- 1/2 teaspoon salt
- 1 teaspoon soda
- 2 tablespoons sugar
- 2 tablespoons cinnamon

Cream butter or margarine with sugar, add eggs and mix well. Sift and add flour, cream of tartar, salt, and soda. Blend well. With your hands, roll dough into balls the size of a walnut and roll each ball into a mixture of sugar and cinnamon (2 T. each). Place an inch apart on an ungreased cookie sheet and bake for 10 minutes at 400 degrees. Cool on rack. Yield: about 7 doz. delicious cookies. Dough is easier to handle if chilled before rolling into balls.

PIN - UP SET

STATION HOSPITAL

ATTAWAY, Douglas Wayne, 4 lbs., 10 1/2 oz., born to Mr. and Mrs. Melvin Attaway, AE1 of 232 Segundo on Nov. 28.

BAKER, Sydney Franklin, 4 lbs., 3 1/2 oz., born to Mr. and Mrs. Sydney Baker, AMH2 of 212 Toro on Dec. 4.

CASTO, Kathryn Aileen, 7 lbs., 11 oz., born to Mr. and Mrs. Walter Casto, SN of 1303 Burke Rd. on Dec. 3.

LANE, Susan Ann, 6 lbs., 8 1/2 oz., born to Mr. and Mrs. Kenneth Lane, ABE1 of 332 Segundo on Nov. 29.

NEALEY, James Scott, 8 lbs., 1 1/2 oz., born to Mr. and Mrs. Wendell Nealey, ADF3 of 409-B Independence on Dec. 9.

WEAKLAND, Steven Leo, 7 lbs., 3 1/2 oz., born to Pfc. and Mrs. Leo Wm. Weakland of 104 Coral Sea Circle on Dec. 9.

'Yule' Get An Extra Day Off

Here's a Christmas present in advance.

Monday, Dec. 24, will be a holiday for all federal employees in accordance with Executive Order 11064.

All employees except those required for maintenance, security and other essential duties shall be excused without charge to leave or loss in pay.

Employees required to work on that day will receive holiday premium pay, except for employees, such as firefighters, paid on an annual premium rate basis for regular standby duty.

Employees for whom December 24 is a non-workday corresponding to Sunday will observe the holiday on the first basic workday following December 25. Employees for whom December 24 is a non-workday corresponding to Saturday will observe the holiday on the workday immediately preceding December 24.

These benefits will not accrue to ungraded employees who are serving under temporary appointments of 90 days or less, unless they have been employed for more than 90 days without a break in service. Such cases are rare, however.

The Station has adopted a policy of liberal granting of leave to employees during the Christmas and New Year period.

Bank With Ease

This is last call for employees wishing not to be a member of the crowd in line at the bank on payday.

You may take advantage of having your paycheck automatically deposited in your account by signing the required forms at the Disbursing Office anytime during normal working hours before Dec. 19.

Those who sign up during this period will have their paychecks automatically deposited beginning Dec. 28.

All requests now in effect will remain in effect unless a request for cancellation is received prior to Dec. 19.

Armed Forces Gain

Wash.—Total numerical strength of the Armed Forces on Oct. 31, 1962 was 2,699,386, an increase of 11,696 since Sept. 30, the Defense Department has announced.

Community And Social News

The Women's Guild of the Community Church will hold its general meeting on Tuesday, Dec. 18, at 7:30 p.m. in the East Wing of the All Faith Chapel. An unusual program has been planned with a living tableau featuring "Famous Religious Paintings."

As the study of the Women's Guild this year is on "The Rim of East Asia" an oriental picture by Yeuh Han Chan Peng, entitled "The Madonna of the Snowy Willow" will be portrayed in a tableau featuring Rose Yim.

All women of the Ridgecrest-China Lake area are invited to attend this program. Those who wish may bring canned goods or staple food items for Christmas baskets which will be distributed to needy families in the area.

The Chief Petty Officers Wives Club will hold its Christmas party in the Community Center on Saturday, Dec. 15. A cocktail hour is slated at 6:30 p.m. with dinner served at 7:30 p.m. Members are reminded that the decorating party will be held Saturday morning at 10 o'clock. The next regular meeting of the Club will be held on Monday, Dec. 17 at 8 p.m. in the Community Center.

A Christmas party for children of the members of the Commissioned Officers Mess (Open) will be held at the Officers Club tomorrow from 4 to 7 p.m. Ice cream, cake and fruit punch will be served. A small fee of 50 cents, plus a small wrapped present from each child is being asked. All presents will be put in one big basket and Santa Claus will distribute a gift to each child.

The annual Officers Club's Christmas party will be held tonight. Well spiced complimentary egg nogs will be served around the Christmas tree between 6 and 7 p.m. A Christmas Buffet will be served from 7 to 9 p.m. at just \$2.50 per person. Dancing will start at 8 p.m. and last until ???

Burroughs High School Music Department will present its annual vocal Christmas Concert on Wednesday, Dec. 19, at 7:30 p.m. in the Multi-use Room at Burroughs. This year the concert will feature the finest A Cappella choir and one of the finest second choruses that Burroughs has produced in some time, according to Neal W. Olsen, music director. The concert is free of charge to the public.

A New Year's Adult Station Dance will be held at the Community Center from 9 p.m. to 2 a.m. Music will be by The Continentals. Reservations for a party of eight or more may be made by calling Ext. 72010.

Murray School will present its Christmas concert on Wednesday evening, Dec. 19, in the Murray School Cafeterium from 7 to 8 p.m. The concert will feature selections by the Honor Chorus, under the direction of Marilyn Thixton, and the concert band conducted by Theldon Myers.



Rose Yim as Madonna

RIM SHOTS

By BILL VALENTEEN



By way of tribute, I am tipping my hat to one of the all-time sports of our day, the Honorable John Fitzgerald Kennedy, President of the United States. This guy has taken more kidding and personal abuse than any public figure of our time. In spite of this, he still manages to overlook our feeble attempts to be clever at his expense without so much as a broken gait.

Speaking of JFK, you may have been wondering why he and his brother, the Attorney General, are so upset about the current feud between the NCAA and the AAU. The reason is that this childish quarrel is resulting in our sending inferior athletes to international arenas. A glaring example of this is the current U.S.-Russia basketball match that is underway right here in the States. Russia is ahead on the tour, and this fact has political implications around the world.

The "Three Hits and a Miss" tournament (formerly "Three Kings and a Queen") mushrooms over the local links this weekend, as the first match play to be taken up under the presidency of Capt. McCreery gets underway. There'll be an installation banquet and a lot of sandbagging conversation. It's easy to understand why this game is so popular with advertising men and politicians. I don't play, myself. (Editor's Note: Is there a note of envy here?)

The local skeet club is running another turkey shoot this weekend. By the way, if you like to shoot, you're missing a bet if you're not a member of this group. Let me digress for a moment to give you the dope on this. The dues for the first year are only \$10. This is a family membership, incidentally, and your wife is specifically invited to come out and take a few shots with the rest of the girls in the bunch. Personally, I don't care too much for the idea of having a wife that is handy with a shotgun, but at least it precludes the necessity of having to make up all kinds of excuses for going hunting, such as exercise, thrill of the kill, and all that jazz. Shooting starts at 9 a.m. on Sunday. Prizes include turkeys, hams, etc., and there will be novice flights for new shooters.

The DUST DEVILS are opening the drag strip this Sunday, too. Local toffs are encouraged to participate. This is a good chance to try your skill, since there won't be any big-time regional competition to go against. One thing—your bomb must be equipped with seat belts! And, if you don't mind a little side-saddle philosophy, a good belt in the seat would do almost everybody a lot of good, every once in a while!

You're missing a lot of inexpensive entertainment if you haven't caught the cage action at the local courts. There are two games a night each Tuesday and Thursday commencing at 6 p.m.

USC is still a 2-point underdog in Rose Bowl wagering. HOGWASH!!

Terry Baker, a left-handed wonder from Oregon State, has been named Back of the Year. Too bad! For being such a big-shot, he is now the number one draft choice of the L. A. Rams. Now, that's the kind of luck I have!

Keep smilin', Sport! See you next week!

Local Golfers Gird For Weekend Play

The China Lake Golf Club's new officers will hold an inaugural tournament this Saturday dubbed a "Three Hits and a Miss" contest, followed by a buffet supper at the local club house.

Recaps on last weekend's activity, according to club pro Paul Someson, which included a Match Play vs. Par contest Saturday, resulted in a first place tie between Chuck Lentz and Bob Brachen, 3 up. Second slot also went to a tie verdict with Bob Kochman - Jack Lewis; F. Rockwell - Bill Hattabaugh; and Y

Booner - Chuck Falterman, 2-up. Third spot went to Bob Lockwood - Ralph Voorhies and Jack Richards, 1-up.

A "Tin Whistle" play in which 27 participants vied last Sunday resulted in the following standings: Tiny Lint, 1st place; Jack Lewis, 2nd; Larry Delancey and Jim Pech, 3rd; Andy Bordner, Jack Richards, Deming MacLise, Lew Higgs and Dick "O'lilly" Rusciolli in 4th spot.

The buffet supper will be included in a \$3.50 entry fee in this weekend's competition, Someson well - Bill Hattabaugh; and Y

KEGLER STANDINGS

ARMED FORCES MIXED COUPLES			
Team—	Won	Lost	
Veegees	25 1/2	13 1/2	
Hits & Misses	24	15	
Flying Pins	21	18	
Rinky Dinks	20 1/2	18 1/2	
Clix	18 1/2	20 1/2	
Rebels	18	21	
ABR Sparks	15 1/2	23 1/2	
Chuckers	13	26	
ARMED FORCES WIVES			
Pin Pilots	32	16	
Go Go Gals	27	21	
Gutteretts	27	21	
Tired Squaws	25	23	
No Names	22	26	
Pin Ticklers	22	26	
Devil Cats	22	26	
Unmentionables	18	30	



ARCHERY WINNERS—Winners in the 10th annual Junior Archery Tournament held at China Lake holding their trophies are shown above. Front row (l-r) are Linda Linsea, 3rd place winner 1st Div.; Randy Reid, 1st place winner, 2nd Div.; and David Silva, 2nd place winner, 1st Div. Back row (l-r) are Arthur Moore, 2nd place winner, 2nd Div.; Richard Olsen, 1st place winner, 1st Div.; and Andy Hinz, 3rd place winner, 2nd Div.

RAISE \$225

Women Bowlers Vie For All-City Honors

By Toni Goff

Thirty-three distaff bowlers competed Sunday afternoon at the Ridgecrest Recreation Center and the China Lake Anchorage Lanes for division championships in the annual Bowlers Victory Legion Classic Tournament.

The local woman's bowling association raised \$225 through this tourney, which is earmarked for recreation facilities in Veterans Hospitals in California. More than \$40,000 was raised last year by California keglers.

Edith Zissos, Division B contender, took an early lead and held it all the way for a terrific 544 series. Laura Rorex rolled a

beautiful 514 series but was beaten by a 12-pin margin as Sue Brune came through with a 526. Sue converted the difficult 4-7-9-10 split in a last ditch maneuver to win the Division C championship.

Billye Robison walked away with Class D honors, bowling a 534 series to win over 13 other contestants, and Shirley Zaretzka took a 17-pin lead over Nora Tays to win the E pennant with a 446 series.

These four keglers will represent Indian Wells Valley at the State BVL Tournament to be held next March 15, at the Cal Bowl in Long Beach.

Volunteers Needed for Bantam Bowlers

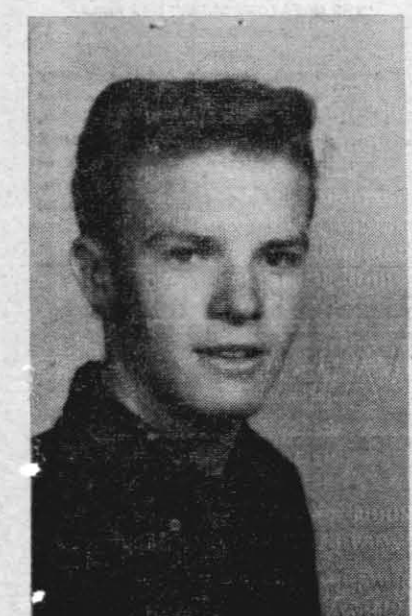
Junior Bowling faces discomfiance because parents are neglecting to supervise their children's activities at the local bowling alleys, according to an announcement made this week by officials of that league.

"This worthwhile sport can only survive if parents volunteer their support," said one spokesman.

He said the primary need was for scorekeepers and that youngsters currently engaged in jun-

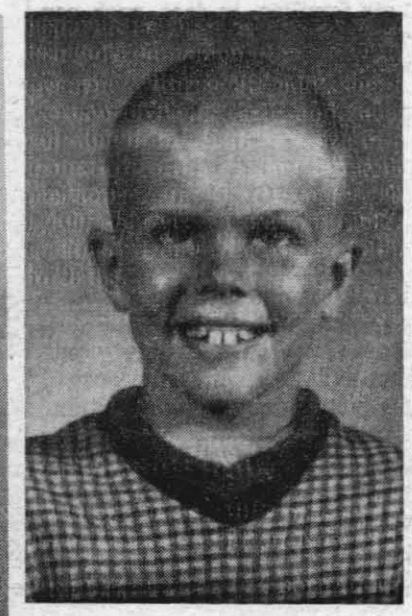
ior bowling would be refused admittance unless parental assistance is forthcoming.

Volunteers wishing to donate time to this program may call Chuck Mangold, Ext. 71791 or 72017.



Jay Osborne

Jay Osborne has been awarded a pin for bowling 219 game in the Junior League. Jay, a 16-year-old, is in first place for high game and in second place for a high three game series of 545. He also rolled a 203 game two weeks ago. His team is sponsored by the Lions Club.



John Roulund

John Roulund of the Boy's Bantam League will be awarded a high game emblem for having rolled a 179 game in league play. John, who is 10 years old, had to roll a 175 score to qualify. His name is being sent for consideration to the "Stars of the Lanes Prep Pin Patter Magazine.



Ronnie Garde

Ronnie Garde has been awarded a pin for bowling a 200 game in the Junior League. Fourteen years of age, Ronnie has also rolled a 181 and a 186 along with his 200 game to put him in first place with a three game high series of 567. He is in second place for high game. His team is sponsored by the Kiwanis Club.



OFFICIAL CHURCH BOARD — Members of the Official Board of the Community Church who will direct activities for the forthcoming church year (l-r) front row are: Harold Cook, Lorraine McClung, Charles Walden, and Austin Ball. Back row (l-r) are: Jack Leininger, Wayne Rountree, Russ Huse, William McBride (board chairman), and Earl Yim. Not present was H. G. Wilson, board member-at-large. Retiring board chairman is Howard Auld.

NOTS Pasadena News

Virginia E. Lane — Ext. 481

UOD Employees Receive Awards and Service Pins

Product Engineering Division, P809, held ceremonies recently honoring three recipients of Sustained Superior Performance Awards and presenting service pins to employees reaching milestones in their government careers.

Sustained Superior Performance awardees are Merlin G. Vance, and Rosario S. Taibi, both Planners and Estimators (Machinist) in P80941; and Richard C. Frederick, Head of Illustrations Section, P80964.

A total of 55 years service is

represented by Marjorie E. Glaze, P80964, with 20 years to her credit; John W. Coyne, P8094, and Mildred M. Moen, P80964, each with 10 years; and Guy A. Millard, P80921, Homer Ballinger, P8094, and Hazel Dean, P80962, with five years each.

James H. Jennison, Head of the Product Engineering Division, officiated at the ceremonies with LCdr. Earl W. Norton and W. E. Hicks, Associate Department Head, UOD, assisting in the presentations.

BYU Visitors Tour Pasadena Facilities

NOTS Pasadena recently hosted Electrical Engineering students and faculty members from the Brigham Young University. D. A. Kunz, Head, Systems Operations Division, in cooperation with the station's Junior Professional Recruitment Program, arranged the visit. The graduating engineers were on station as part of a Southern California tour of industries and government laboratories to gain insight into employment opportunities.

They were conducted on a tour with briefing on the research and development operations and were acquainted with the Junior Professional Program. This type of presentation is beneficial to both students and the station in that it gives students an opportunity to view the advantages of federal employment and the station will gain many professionals as career employees.

SCI Chamber Saves Abalone Fisherman

The decompression chamber at San Clemente Island was credited with probably saving the life of another fisherman last Friday.

G. Morrison, 22, of the abalone boat Seahawk, suffered the bends and was rushed to Wilson Cove Pier by another boat, the San Juan. LCdr. T. S. Wallis, Officer in charge at SCI, met Morrison there and the stricken man was placed in the chamber at 10:30 p.m. and remained there until 9:30 the following morning. Albert W. Holms, HMCA (DV), diving corpsman, accompanied him in the chamber for the entire operation which was supervised by Lt. (jg) J. E. McDole.

China Lake medical officer Lt. Spencer Kent treated Morrison until he was released and flown back to the mainland Sunday afternoon. Morrison lives in Santa Ana.

The Coast Guard had notified LCdr. Wallis of the emergency.

Public Works Man Rewarded For Idea

Charles H. Frady, Public Works, Maintenance and Utilities Branch, was recently rewarded for a Beneficial Suggestion based on monetary savings, intangible benefits (improved method) and safety benefits.

Frady received \$15 for suggesting a "Relief Valve for VAT Filter Tank." Set at desired pressure, this will 'bleed' off excess pressure, eliminate expensive valve replacement plus requiring less attention and maintenance.

NOTS Five Stay Alive

Off to a good season, the NOTS Pasadena hoopsters claimed their second victory with a final score of 52-42 over Open Bible. High scoring man was Bob Matthews, racking up 22 points. From the first quarter, NOTS took and kept a five point lead, pulling away in the final quarter.

At time of printing, reports of the game this week with Electro-Data Corporation were not available.

Next scheduled contest is Thursday, January 10, 9 p.m. at Pasadena City College against Jet Lab II. How about a good attendance to give our team a cheering section.

Lt. Merrell Leaves for Japan To Begin Three-Year Tour of Duty



Lt. B. J. Merrell

Announce Schedule For NOTS Xmas Carolers

The NOTS Pasadena Christmas Choir will be ambassadors of good will beginning Thursday, December 20 at the Veterans Administration Hospital, Long Beach, from approximately 1:15 p.m. to 3:15 p.m. Foothill and Morris Dam personnel will be entertained on Friday morning, December 21, according to the following schedule: 8:15 in the Supply Bldg. 17, 9:00 in the Machine Shop Bldg. 7, 9:45 in the Coffee Port and 11:30 at Morris Dam. Don't miss the opportunity to hear this fine choral group directed by Merton Welch.

Born in Texas, Lt. Merrell considers Garden Grove, California, his home town. He presently resides there with his wife, Melba, and sons, David, 11½, and John, 10.

Lt. Merrell's replacement, CWO A. H. Asseier, will report to NOTS this week. A Xmas party bidding farewell to Lt. Merrell and welcoming CWO Asseier will be held today, December 14, from 4:30 p.m. at the Bahama Inn. All station personnel are invited.

Leaving NOTS Pasadena for foreign shores this month is Lieutenant Billy Joe Merrell, Assistant to Associate Director of Supply. On January 3, Lt. Merrell and his family leave for Yokosuka, Japan, where he will begin a three-year tour of duty at the Naval Supply Depot.

Reporting to NOTS in January 1961 as a Lt. (j.g.), Merrell received his second stripe in June this year. Duty just previous to NOTS was aboard the USS Manatee, a fleet oiler, homeported in Long Beach.

Lt. Merrell received his commission in 1958 and during his 16 year naval career, he has served in China, Korea, Japan and Kwajalein. He spent three years, 1954-1967, with the Military Assistance Advisory Group in London, England on liaison duty with the British Admiralty. He attended Navy Supply Corps School in Athens, Georgia, before reporting as Supply Officer on the Manatee.

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MILESTONES REACHED—Don Cozen, Head, Systems Development Division (right), presents five-year service pins to two Division members (l-r), Ronald D. Thuleen, Physicist; and Homer Lineberry, Engineering Technician. Although the pin represents five years with NOTS Pasadena, Lineberry has 21 years total federal service, all Navy (NOTS Pasadena and China Lake, and Long Beach Naval Shipyards), with the exception of two years with the Army at Aberdeen Proving Grounds, Maryland. Thuleen came to NOTS in June 1957 upon graduation from the University of California, Berkeley.

Promotional Opportunities

PASADENA
To apply for positions, contact Nancy Reardon, Pasadena Personnel Division, Extension 104.

Machinist (4 vacancies): Hourly Salary Range: \$2.97 to \$3.21; Code P8094 — Sets up and operates various machine tools including lathes, boring mills, milling machines, precision grinding machines, shapers, etc. Works to close tolerance. Does precision fitting, finishing and assembling of machined parts.

Mechanical Engineering Technician, GS-7 or GS-8, PD: 24615-1, Code P8093 — Incumbent uses basic engineering design practices in the preparation of design layouts and specifications for a variety of mechanical components and devices. Also reviews detail drawings, deviation orders and revision directives for content.

Engineering Draftsman (General), GS-6 or GS-7, PD: 0880105, Code P80933 — Prepares engineering drawings and sketches for electrical, mechanical and electro-mechanical equipment or components. This includes performing engineering calculations, making a dimensional and tolerance analysis for fitment and assembly, establishing required military specifications, etc. Incumbent is expected to work with development engineers to combine sketches and verbal information into integrated layout.

Mechanical Engineer (General), GS-11 or GS-12, Code P7113 — Project design engineer for A&E contractor accomplished projects. Responsible for all phases of project from preparation of project plans, review of A&E design through completion of construction. Also performs mechanical engineering design on locally accomplished projects. Must have a Mechanical Engineering Degree or its equivalent plus three years of experience in the field and, at the GS-12 level, experience in the construction of missile facilities.

Civil Engineer (Structural), GS-11 or General Engineer (Civil), Structural, GS-12; Code P7111 — Project design engineer for A&E contractor accomplished projects. Responsible for all phases of project from preparation of project plan, review of A&E design through completion of construction. Also performs engineering design on locally accomplished projects. Must have a Civil Engineering Degree or its equivalent plus three years experience in the field and, at the GS-12 level, experience in the construction of missile facilities.

'QUOTE ME'

Opinions Vary On 'Man of the Year'

Mankind's benefits during the year 1962 range far and wide in the fields of medicine, industry, science and world peace. As in years previous, one man will be selected for "Man of the Year," resulting from the achievement which provided the greatest benefit to mankind. The question posed this week to "Quote Me" personalities, was: "Whodo you think the 'Man of the Year' should be? Why?"



Linda L. Winn, Credit Union: "Wally Schirra's orbital flight, in my opinion, represented the greatest current benefit to mankind, since it proved that man is capable of achievements that it was once thought machines could only do. His flight, the longest, was the most significant made to date in space exploration."



Dwight Holford, Code 1132: "The inspirational leadership in the Christian world exhibited by Pope John XXIII means more to mankind, perhaps than any other single achievement. The efforts currently being exerted to solidify the Christian objectives of people throughout the world will certainly be a tremendous benefit to all mankind."



CHARLES NARDONE, Code 7512: "President Kennedy is my selection. His decisiveness alone is significant as related to the Cuban crisis. But, more significant would have been the results had President Kennedy not acted as he did. The entire world has benefited and will continue to do so, because of our President."



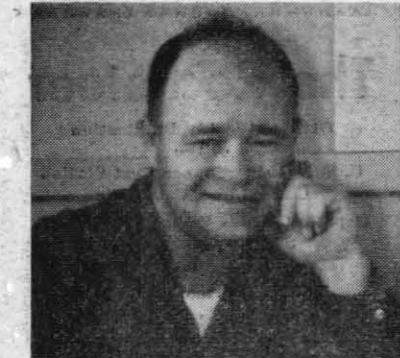
Ed Zworski, Code 658: "Dr. Sabin's introduction of oral Polio vaccine is one of the most significant benefits directly affecting mankind during 1962. So many people, for various reasons, would never get the injections by needle. In oral form, the vaccine is immediately acceptable. He certainly ranks as 'Man of the Year' in my opinion."



Betty Hart, Code 7511: "I believe that our President should be selected for annual distinctions because of his Cuban actions. He can call Cuba, 'Cuber,' if he wishes to, just as long as he does the best for the people he is representing."



Don Smith, QMCM, NOTS: "I think John Glenn should be selected. His flight displayed courage unparalleled by modern man. And, it set a pace for flights to follow, representing a true scientific achievement, that is bound to affect people the world over."



Norman Proffitt, MMC, NOTS: "President Kennedy's decisive actions during the Cuban crisis represented an inspiration to the entire free world. This event and the man who ordered the Russian's bluff called, in my opinion, rates 'Man of the Year' selection. I think history will bear me out."



Jack R. Neffew, Public Works, Taxi: "Papa Joe Kennedy brought into this world a family of sons who are destined to benefit mankind to a greater degree than any other family in our times. And, though it wasn't an achievement during 1962, the results of his contribution have certainly been felt this year!"

Local SeaBee Unit Earns 'E' Pennant For Seventh Time

The China Lake SeaBee Division 11-2 earned an "E" Pennant for the seventh time last Saturday at its annual inspection.

This is their seventh win since their unit was activated in 1954. Areas under review included office administration, unit organization, personnel training, leadership and recruiting.

China Lake boasts the second place SeaBee division of the 21 units within the District in personnel administration and ranks in the top 15 per cent in the National Trophies Competition.

The "E" Pennant represents outstanding efficiency in all phases of office administration, personnel and training.

Inspecting officers were Capt. R. A. Davidson, NOTS Public Works Officer, and Cdr. T. B. Stone, CEC, District Program Officer.

The local division, commanded by LCdr. Paul O. Erickson, is composed of three officers and 29 enlisted men. Lt. Richard D. Malone is the Executive Officer and Chief Warrant Officer Joseph A. Keane is the Training Officer.

Reserve Tour . . .

(Continued from Page 1)
Springer, Raymond C. Winter, Robert D. Woodward, and E. D. Shunke.

Cdrs. W. J. Findlater, H. E. Holman, James Kay Jr., Orville L. Marlett, Garland Mathews, John W. Mieras, Michael J. J. O'Brien, Walter W. Shepard, William P. Simpson, Howard W. Smith, Ross W. Smith, Dana L. Walker and George E. Pike.

LCdrs. Wilma H. Bangert, Hugh G. Furgeson, Frank Heylek, Jr., Robert W. Jassoy, C. A. Jenkins, Richard F. Lewis, Wylie A. Moore, Richard A. Myers, H. F. Platz Jr., B. James Robertson, Bart R. Swopes and Robert E. Strom.

Lts. Genevieve L. Jones, Robert R. Lallement, Edwin W. Medley, Royal H. Osterhout, Richard A. Wallace and John P. Carrington.

CWOs Ronald E. Beebe and Ralph S. Cummins.

CPO Yule Kids Party Set Dec. 23

The CPO Mess (Open) will sponsor an annual Christmas party for dependent children of all members of the Club on Sunday, Dec. 23, from 1 to 6 p.m. Members bringing children are requested to bring presents not exceeding \$3 in value.

All dependent children between the ages of 18 months and 12 years are invited to the event, which will include the appearance of Santa Claus, cartoon movies and refreshments.

New Missile Destroyer Joins American Fleet

CHARLESTON, S. C. — The Navy commissioned its newest missile destroyer, the USS Semmes, Monday. Adm. Robert B. Carney, former Chief of Naval Operations, called the ship "a symbol of the age in which we live."

The Semmes, attached to Flo-tilla Six here, is armed with Tartar anti-aircraft missiles and an antissubmarine weapons system capable of firing torpedoes or nuclear depth charges at long range.



YULE TREE PARTY—Responsible for this year's Christmas tree that decorates the Station Chapel yard are (l-to-r) L/Cpl Joe D. Sutton, L/Cpl Charles E. Tackwell, Pvt. Ronald R. Ciarrimboli and Rocketeer's "Pop" Lofinck. Tree was donated by Joe Fox, a Ridgecrest resident, and obtained from his property in Kennedy Meadows. Aiding in bringing the tree to its present location were Hank Wittenmeyer and Lupa Reyes of Station Security Dept.

NIX ON THUMBING!

11 ND Issues Rule On Hitching Rides

COME ELEVEN Instruction 1620.8 is quoted herewith the following information concerning hitchhiking by Naval Personnel.

"This instruction is applicable to all Navy personnel within the Eleventh Naval District, regardless of status, leave, liberty, under orders, or unauthorized absence. It is also applicable to all Marine Corps personnel assigned to duty in Naval activities of the Eleventh Naval District, or assigned to duty aboard ships in the Forces afloat.

"The practice of hitchhiking is unmilitary, dangerous, and not in keeping with the dignity, high standards of conduct, and self-reliance to be expected of personnel in the Service. Hitchhikers constitute a traffic hazard, and in some cases personnel in uniform have been victimized by unscrupulous drivers in automobiles."

"Commanding Officers shall take such disciplinary action as the facts of the case indicate. The desirability of positive action to discourage the practice of hitchhiking shall be a primary consideration."

carrier, by service personnel in the Eleventh Naval District is forbidden, except in an emergency such as might be created by sickness or accident.

"Shore Patrol and Military Police are authorized and directed to apprehend and place on report any and all naval personnel observed to be violating the provisions of this instruction.

"A technical arrest order or a Shore Patrol Report, as appropriate, shall be issued in each instance.

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NBC-TV Color Specials

NBC-TV is offering two fine shows this week which will be of particular interest to Navy personnel, military and civilian.

This Sunday evening, December 16, Walt Disney's "Wonderful World of Color" will present a one-hour documentary program entitled "Hurricane Hannah." This program, covering the life cycle of a violent hurricane, prominently features the Navy's Hurricane Hunters of Airborne Early Warning Squadron FOUR.

On Wednesday, December 19 at 10 p.m. EST, a one-hour color special called "Polaris Submarine: Journal of an Undersea Voyage" will be aired. The submarine involved in this show is USS GEORGE WASHINGTON.

The firing of a missile is shown but there is much more in the way of a close look at the kind of man who man the ship and the kind of life they lead.

Consult local station listings for time and channel.

Blue Cross Agent Will Be Here 19th

John Shelley, Blue Cross representative from Bakersfield, will visit the Station on Wednesday, Dec. 19. He may be contacted in the Housing Building Conference Room from 9:30 a.m. to 1 p.m. and from 2 p.m. to 4:30 p.m.

CHAPLAIN'S MESSAGE

Christmas Giving Requires Thought

By Chaplain R. F. Wicker, Jr.



Let them come and give their gifts to the children—I'll do my crying afterward!

A church-school class had offered toys, candy, and clothing — "If we can visit the home and see the smiles of the children ourselves."

This year, as Christmas approaches, let's re-examine those traditional parties-for-poor-children and Christmas baskets.

Will strangers bringing in a basket of goodies build up or tear down family morale?

Much depends on the visitors' attitudes. The club president who entered a home and called out cheerfully, "Well, it looks like we need a little cleaning up here!"

In contrast, one club refused to leave gifts where a mother had scrubbed, darned, and patched so effectively that "they don't look needy enough!"

But the donors find it fun to go shopping ("we can get bargains, or use things we have on hand!"). However, an 18-pound turkey is no bargain for a family with no oven or refrigerator!

Which is more charitable: to show off your own talents and be applauded, or to coach a play or train a rhythm band so spot-ins or cripples can win applause?

The real test for up-to-date Christmas charity seems to be how closely it resembles the old-fashioned charity that vaunteth not itself!

PROMOTIONAL OPPORTUNITIES

Present Station employees are encouraged to apply for the positions listed below. Applications should be accompanied by an up-to-date Form 58.

Equipment Specialist, GS-7, PD 235120, Code 3502 — The duties of this position are in general to provide expert assistance to personnel of the department and carry out assignments as directed by the supervisor for procurement and delivery (if required) of all types of equipment and material.

Editorial Clerk (General), GS-5, PD 29166, Code 7511 — Primary duties involve copy-editing and marking for composition and editorial proofreading and copy-holding.

The following vacancies exist in the Public Works Department — Electrician (Lineman) — 2 vacancies, Rigger, Tile and Plate Setter, Gas Heating Equipment Mechanic, Welder, Structural Ironworker.

File applications for above positions with Judy Newman, Personnel Building, Room 31, Phone 71393. Deadline for filing: December 21.

Scrap Material Sorter, \$2.47 to \$2.67 per hour, Code 2597 — Sort non-ferrous scrap from ferrous scrap.

File application for above position with Ginny Millett, Personnel Building, Room 34, Phone 72032.

EXAMINATIONS

Examinations for Public Information Officer, GS-12, and Public Information Specialists, GS-9, and GS-11, are being held for establishments in the Southern California Area.

A competitive promotion examination for Leadingman (Maintenance) is being held for NOTS San Clemente Island. Applicants must be either Career or Career-Conditional employees of NOTS China Lake or NOTS Pasadena.

DIVINE SERVICES

Christian Science (Chapel Annex) Morning Service—11 a.m. Sunday School—9:30 a.m. Nursery facilities available. Protestants: (All Faith Chapel) Morning Worship—9:45 and 11 a.m. Sunday School—9:30 a.m., Groves and Richmond elementary schools.

'DESERT PHILOSOPHER' 'Pop' Watches A Circus In Desert



By "POP" LOFINCK

Speaking of Road Runners—ie—chaparral cock — ground cuckoo or desert cuckoo; belongs to the cuckoo family and lives up to its family heritage. It is cute, graceful, picturesque, clownish and friendly.

It has two toes forward and two behind instead of three forward and one behind like other birds.

Driving along desert roads it will race your car — just to be goofy. For quite a ways, if you don't go too fast.

It will spot a lizard 25 yards away and catch it on the run instead of flying up and dropping down on the lizard. (Parenthetically a lizard can run 20 miles an hour for a short distance. When they run fast they use only their hind legs for propulsion. They fold up their front legs and their body acts as an air-foil, like a sail plane.)

When the Road Runner catches the lizard it doesn't gobble it, he stands there awhile clacking like a hen with asthma that has just laid an egg. After he has told the world how proud he is, he picks up the dead lizard and flies up on a rock or the limb of a tree to eat it, if there is a rock or a tree nearby. They can fly.

It's chief interest in life is to kill rattlesnakes. Nature's balance again. It hops around close enough to make the snake strike, but not close enough to get struck. When the snake is tired out the Road Runner jumps on the snake's neck and pecks the top of its head in.

One day in the open space near my cabin was an oil barrel, standing on end. Three young Road Runners, two on top of the barrel and one on the ground. Fifty feet away a jack-rabbit sat curiously observing the Road Runners. I guess they had never seen a jackrabbit before. They were excited. They would stand up with their head as high as possible and then squat down low for a different view.

The one on the ground would peek around the barrel and then jump up on top for a better view, bumping off one of the two on top. There wasn't room for all three on top.

These antics kept up until the rabbit leisurely took off. And the circus was over. Very amusing.

One day I was sitting in my jeep quietly studying a map. A Road Runner jumped up on the seat alongside of me. It's toe nails skidding on the seat sounded like a rattlesnake. I nearly jumped out of my pants. That scared my visitor. It tried to jump through the windshield, bounced back onto the seat, tumbled out on the ground and took off across the desert with a hoarse rasping cackle. Possibly scolding me for my inhospitality!

A man found four eggs in a Road Runner's nest, hatched them under a hen and raised them. He said there was quite a variation in the intelligence of the four. The smartest one he taught to ride on top of his car.

He built a little windshield for the bird to ride behind. It seemed to enjoy it, like a dog. Driving through the desert, if he stopped, the bird would at once fly down from on top of the car and dash off looking for rattlesnakes to kill — had to do its duty.

When he was ready to go he would whistle and the bird would come back. But it wouldn't fly back up to its perch. Each time he had to pick it up and set it back on top, like a spoiled kid. Every time he stopped, if it were a sage brush area, same routine. If it were a barren area it wouldn't bother to fly down.

He called it "My Buddy." He had pictures taken of it that he sold to a magazine. I would like to do that, but it's only about once in a lifetime you can find a Road Runner's nest.

Quote of the Week



"In civilized life, flaw floats on a sea of ethics." — Chief Justice of the Supreme Court Earl Warren speaking at the Jewish Theological Seminary of American awards dinner in New York City.

Naval Uniforms Standardized

Naval uniforms adapted by the Marine Committee Sept. 5, 1976. The uniform of captain's in the Navy was to be a coat of blue with red lapels, slashed cuffs, stand-up collar, flat yellow buttons, blue breeches, and a red waistcoat with yellow lace.

The sailors or marines were to have a green coat faced with white, round cuffs, slashed sleeves and pockets, with buttons around the cuff, a silver epaulet on the right shoulder, shirt collars turned back, buttons to match the facings, white waistcoat and breeches edged with green, black garters and garters.

The men were also to have green shirts, "if they can be procured."

The Rocketeer

Official Weekly Publication of the U. S. Naval Ordnance Test Station China Lake, California. Captain Charles Blenman, Jr., USN Station Commander "J," "T," Bibby Public Information Officer Jack G. Broward Editorial Advisor Budd Gott Editor Chuck Mangold Special Services Athletic Director

'Visions of Sugar Plums' Still Dance in 20th Century



Ann Marie Henning, 3½

Richard Dye, 2

Debbie Griffin, 7

Scott Lakey, 5

Eileen Henning, 5



Wendy Dye, 4



Rickey Petzholt, 6



John Henning, 2



Susan Karlstrom, 3

You can change a youngster's surroundings . . . cloak him in an age of electronic wonder . . . ply him with space-age achievement . . . inject his mind with international intrigue.

Despite all this, you'll find that our 20th century small fry issue the same squeals of delight as today's adults did in their nursery school ages.

Proof of this came last week when Santa paid his pre-Christmas call at the Station's Child Care Center.

In this case, pictures tell a more effective story than words.

IS CHANGE DUE?

Metric System Could Change Our Way of Life

By JACK BROWARD

Don Nyberg announced his plan this week for gaining more leisure time out of life.

"It'll make work easier, take less time and give more accurate results," promised the friendly NOTS chemist during a Rocketeer interview.

"Switch to the Metric system of weights and measures," he suggests, explaining that almost everything we do in life has as its basis a value related to measurements.

U.S. System Outdated

Our present system, called the English standard, is antiquated, lacks precision and is filled with complexities and confusion, according to Nyberg, an ex-Army GI who joined NOTS seven years ago.

Serving today with the Propellants division, Propulsion department, he reasons that "it is almost futile to teach the present measurement system to grade schoolers."

He uses his three school-aged daughters to qualify that theory.

Tables Forgotten

"More than three-quarters of all the tables learned are based on memory. And, just as promptly forgotten, once the pupil goes on to the next subject.

"Generally, the only measurement tables we remember in later life, are the ones we work with or confront in adulthood," claims the 31-year-old UCLA graduate.

Acknowledging that the Metric system is already used in America's medical, scientific and industrial fields on a partial basis, Nyberg says its true values are gained only from universal application. He maintains that the European standard should replace the English system in its entirety, from grade schools up.

Simplicity Noted

Used by all of the world's countries except the U.S. and England today, the Metric system is based on the values of a meter. In figuring relative values, one need only add, subtract or multiply units of ten, Nyberg points out.

"This simplifies greatly the processes of measuring when

er stone in the other hand. Recognized World-Wide

"Man didn't really get straightened out on his table of measurements until the French government adopted the Metric system in 1793. Since then, 73 nations have joined the French in recognizing this system's values," adds Nyberg, backing his statements with documentation.

"Since that time, the European system has become the universal language of science. Like Latin, as a universal tongue, it has punched holes in communications barriers, sped up advances and linked the interests of scientific endeavor of the world over!"

U.S. Studies System

Nyberg states that this coun-

try is closer to the Metric system than most people realize.

"The latest rifle developed and issued by our Army uses Metric system ammunition. Much of the U.S. made equipment and weapons used by our NATO allies, by necessity was designed and manufactured on the basis of Metric measurements.

"A Congressional committee is currently engaged in authorizing the National Standards Bureau to conduct a 3-year study of whether or not we should accept the Metric system in its complete form," he continued.

Life-Death Linked

As for its common applications, Nyberg notes that baby bottles already bear Metric system markings, druggists prepare prescriptions and medicines are taken on a basis of cubic centimeters (or cc).

"Its values in these areas alone are of major significance," he asserts, "since these are directly linked with life and death. "It can be just as readily applied to all other aspects of our daily lives, working and relaxing," he maintains.

Local Values Told Here at China Lake, where much of the effort expended is focused on scientific-industrial output, Nyberg feels the Metric system would have inestimable value.

"In our rapidly shrinking world and challenging times, the burden of technological advance rests with the U.S. Recent international events prove this day by day. "The hardware we design and test here may someday be used for the defense of the free world. And, not necessarily by Americans.

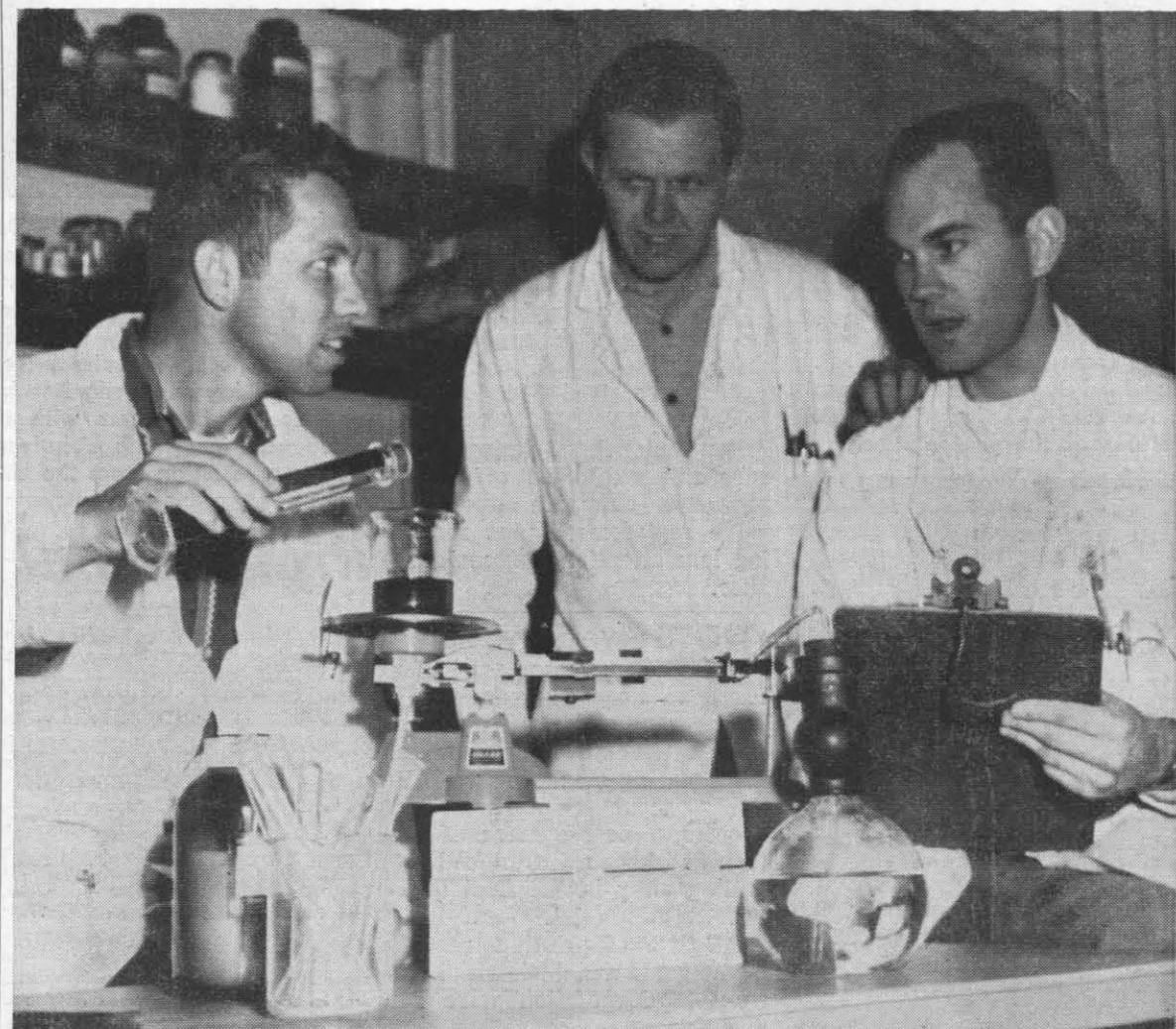
"It is vitally important that the same system of measurements be employed here as is used by our allies," he commented. "I would give, as a conservative figure, the estimate of five-to-ten percent the amount of time that could be saved in our average workday here if the Metric system was used," he continued.

Precise Capability "And, this doesn't even touch on the even more important aspect of accuracy. We'd introduce a precision in our products with flawless capability!"

Well, where does the leisure time fit into this picture of measurements?

According to Nyberg, both husband and wife would be able to accomplish their work faster and with more accuracy. The simple deduction follows that they'd have more time for leisure activities.

To top off all these virtues, he adds, flashing a grin, "think of what this innovation would mean for the foreign car buffs here in America who believe in the 'do-it-yourself' craze!"



METRIC SYSTEM is in common use within scientific, medical and industrial fields. But Don Nyberg, local chemist (left) claims it should replace completely the "outdated English system" in all areas of our weights and measures. He was joined this week in that

belief by co-workers Dr. Don R. Poole and Bill Burdette, all members of the Propulsion Development Department. Trio of chemists is demonstrating use of triple beam balance in this photo, which utilizes metric measurements for more rapid calculations.