

CROSSWORD PUZZLE

Answer to Previous Puzzle

ACROSS

- District in Germany
- Fleet
- Pronoun
- Brim
- Preposition
- Chicken
- Less hot
- Near
- To sup
- Direction
- To puff up
- To splash
- Continuation
- To get up
- Once around track
- Observed
- Bahoid
- Eccentric
- Hebrew letter
- Scottish cap
- Man's nickname
- Cornered
- That thing
- Prophesies
- Sager
- To want
- Abstract being
- Babylonian deity
- Newspaper executive
- Born
- Dry
- Ripped
- To spread for drying
- Lairs
- To leak through

DOWN

- Dry, as wine
- Fuss
- Time gone by
- To let go
- Initial
- Indefinite article
- Music: as written
- To carry

9-Hedge cutters
10-Warmth
11-Heraldry: grafted
12-Diners
13-Brother of Peleus
14-Behold
15-Seasoning
16-Malay canoe
17-Chinese mile
18-Rodent
19-Marked with holes
20-Initiated
21-Marries
22-To knock
23-Ascribes
24-Overlooked
25-Printer's measure
26-Hebrew for telurium
27-Pipes
28-Departed
29-Arrow poison
30-To peruse
31-Exist
32-Pedal digit
33-Native metal
34-Corded cloth
35-Preposition

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SHOWBOAT

FRI. DEC. 21
"THE GREAT IMPOSTER" (112 Min.)
Tony Curtis, Edmond O'Brien
7 p.m.

(Comedy-Drama) Fantastic, but true, a story of a high school non-graduate who illicitly posed as a college professor, penologist, monk and a Royal Canadian Navy surgeon. This is an interesting-every-minute account of the height of self education and pure nerve.
(Adults and Young People)
SHORT: "Voodoo BooBoo" (7 Min.)

SAT. DEC. 22
-MATINEE-
"ADVENTURE OF ROBINSON CRUSOE" (89 Min.)
Don O'Herlihy
1 p.m.

(Musical in Color) Smuggled Chinese girl is betrothed to hap night club owner whose fiancée is a pop singer-dancer. Lots of fun until the ancient custom is broken. Nancy's "I Enjoy Being a Girl" is a top production among others. Don't miss.
(Family)

SUN. DEC. 23
"REQUIEM FOR A HEAVY WEIGHT" (84 Min.)
Anthony Quinn, Jackie Gleason
6 and 8 p.m.

(Ring Drama in Color) Superb story of a veteran of 17 years in the ring. Competent and proud, but retired as physically unfit, he tries to find work as his greedy manager hangs on. This is not a pretty story, but an emotional blockbuster.
(Adults and Young People)
SHORT: "A Tree is a Tree" (7 Min.)
"Fabled Island" (10 Min.)

MON. DEC. 24
CLOSED CHRISTMAS EVE

TUES.-WED. DEC. 25-26
"HATARI" (158 Min.)
John Wayne, Elsa Martinelli, Red Buttons
3 p.m. and 7 p.m. Tuesday
7 p.m. Wednesday

(Adventure in Color) The men of a Tanganyika game farm fill commitments for world wide zoos and action fills the screen. A bit of humor, very light romance and thrills galore make this a don't miss film. Jeep vs. Rhinol
(Family)

THURS.-FRI. DEC. 27-28
"GUNS OF DARKNESS" (103 Min.)
Leslie Caron, David Niven
6 and 8 p.m. Thursday
7 p.m. Friday

(Adventure) Weekling plantation executive becomes a 'man' when a South American revolution changes his mental outlook. Political intrigue, suspense and action abound here.
(Adults and Young People)
SHORT: "I was a Teenage Thumb" (7 Min.)

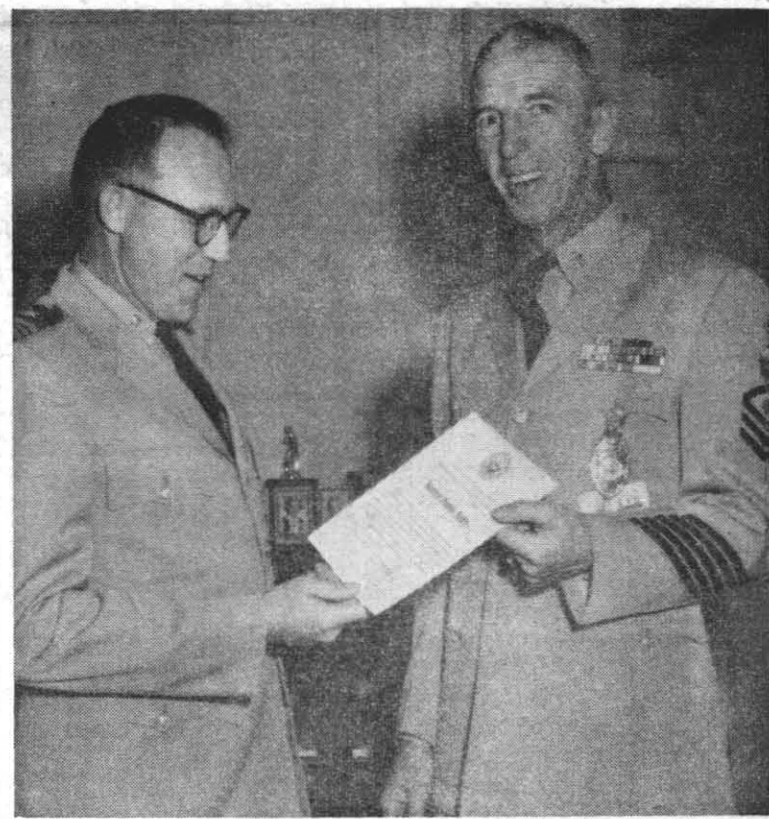
SAT. DEC. 29
-MATINEE-
"PRINCE VALIANT" (110 Min.)
James Mason
1 p.m.

-EVENING-
"ONION HEAD" (110 Min.)
Andy Griffith, Felicia Farr, Joe Bishop
7 p.m.

SUN.-MON. DEC. 30-31
"SO THIS IS PARIS" (97 Min.)
Tony Curtis, Gloria DeHaven
7 p.m.

TUES.-WED. JAN. 1-2
"HEMINGWAY'S ADVENTURE OF A YOUNG MAN" (145 Min.)
Richard Boymer, Diane Baker, Corinne Calvert
7 p.m.

Watch the Station Theater marquee for further listings until January 11.



APPROPRIATE TIMING — When NOTS' Don Smith received appointment to Master Chief Quartermaster last week the timing was near perfect as a Christmas gift. Lcdr. P. F. Mohr, skipper of NOTS Enlisted Personnel Division, extends his congratulations to veteran Navyman.

Service Pins Presented . . .

(Continued from Page 3)
5-year service awards. They were: Curtis Bryan, Clarence Mettenburg, Alston Dotson, Charles Woods, James Waddingham, Dall Brune, Sakaya Matsuda, Lynn Lyon, Vernon Logue, Marko Afendykiw, Albert Schoss, and Leonard Gulick.

Supply 10-year Pins
NOTS' 10-year pins were presented to six Supply Department employees. Recipients were: Gladys L. Drayton, stock control clerk, who transferred to Supply from the Explosives Department in August '54. Ellen E. Young, a management analyst, who joined Supply in '49, after five years in Guam and a short period at the Mare Island Naval Shipyards.

Bernice V. Ingle, a warehouseman. She joined Supply in '52. Florence (Chic) Walker, stock control clerk, came to NOTS in '52 and transferred to Supply in '58. Harry R. Hartnett, inspector (general equipment), joined Supply in '54, his previous service was with AOD.

George K. Taylor, stock control clerk, joined Supply in '54. His former service was with the Department of Community Affairs.

Engineering Department
The Engineering Department awarded six 20-year federal service pins and one 30-year federal service pin to its employees. Stevan N. Jurich, who began his federal service career with the War Engineers Department at Louisville, Kentucky in September of 1927, received the rare 30-year pin. Following ser-

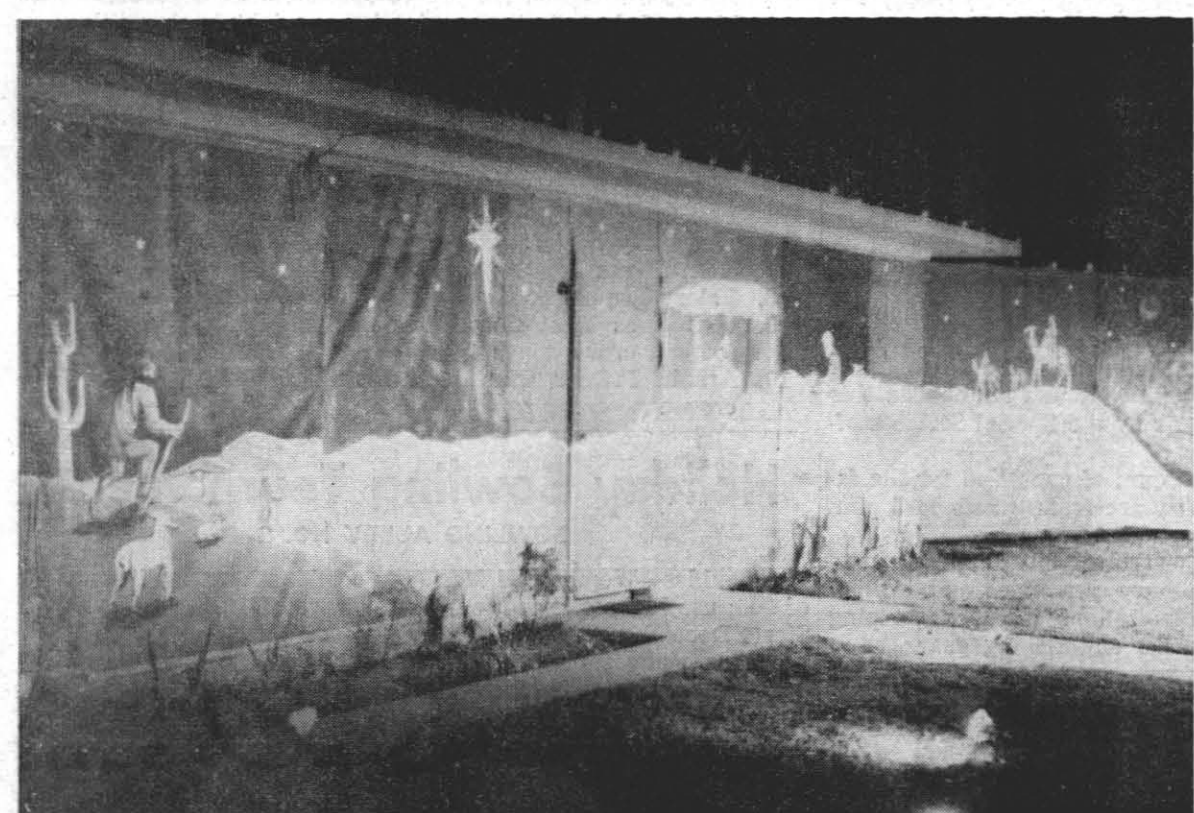
vice with the Department of the Army, he transferred to NOTS' Engineering Department as a machinist in May of 1956. Recipients of the 20-year federal service pin were Gilbert Fountain, a mechanical engineer; John C. Sampson, toolroom attendant; Clyde Marley, an inspector of tools and gauges; Roland W. Reynolds, a chemical engineer; C. Van Allason, and James M. Egbert, a machinist.

Test Department
Superior Accomplishment
Nineteen Test Department personnel were cited for sustained superior performance awards. Those cited were Robert Emerson, Wardna Abernathy, Frederick Weals, Charles Salisbury, Adolph Seiquist, Luther French, George Campbell, Clifford Meeker, Mary Williams, Joy Harrelson, Maurice Westfall, Richard Joyce, Wesley Lambert, Darwin Tiemann, Mario Falbo, Clifford Hughes, Jim Keosky, Gilbert Cope, and Jack Leiminger.

Other Test Awards
Superior achievement awards went to William Griffin, Albert Schoss and Richard Furstenberg while Ernest Long, Justin Ruhge and Julian Thompson received superior achievement awards for patents. Cordia Lea Tankersley, Marie Parks and Donald Ray garnered beneficial suggestion awards. Industrial accident prevention awards were given to the Supersonic Track Division and the Track Operations Branch. Supervisors receiving accident free awards were: R. M. Nelson, 11 years; O. A. Perkins, 8 years; B. R. Levan, 6 years; and L. G. (Red) Garman, 5 years.

Holiday Hours Are . . .

- Marine Exchange:** Open Saturday, Dec. 22 from 9 a.m. to 5 p.m. Closed Dec. 25 and Jan. 1.
- Station Library:** Closed Dec. 23, 24 and 25. Closed 5 p.m. Dec. 31 and all day Jan. 1.
- Bank of America:** Closed Dec. 25 and Jan. 1. Open regular hours otherwise.
- Navy Exchange:** Open Dec. 24 and 31 from 9 to 1. Closed Dec. 25, 26 and Jan. 1.
- Community Center:** Closed Dec. 24 and 25.
- Commissary Store:** Closed Dec. 24 and 25.
- Station Restaurant:** Closed Dec. 25 and open until 1 p.m. Dec. 24 and Jan. 1.
- Service Station and Outdoor Shop:** Open Dec. 24 and 31 from 8 a.m. to 4 p.m. Closed Dec. 25, 26 and Jan. 1.
- Golf Course Snack Bar:** Open as usual during all holidays.
- Laundry and Dry Cleaners:** Open Dec. 24 from 9 a.m. to 1 p.m. Closed Dec. 25, 26 and Jan. 1.
- Barber Shop and Beauty Shop:** Open Dec. 24 and 31 from 9 a.m. to 1 p.m. Closed Dec. 25, 26 and Jan. 1.
- Cobbler Shop:** Open Dec. 22 from 9 a.m. to 1 p.m. Closed until Jan. 2.
- Credit Union:** Closed Dec. 24, 25 and Jan. 1, 2 and 3.
- Thrift Shop:** Closed until Jan. 3.
- Hobby Shops to Close for Inventory:** Carpenter Hobby Shop: Closed Dec. 30, 31 and Jan. 1. Electronics Hobby Shop: Closed Dec. 31 and Jan. 1. Auto Hobby Shop: Closed Dec. 31 and Jan. 1.
- Theater:** Open as usual.
- Bowling Alleys:** No. 2 — Closed Dec. 24, 25 and Jan. 1. Enlisted Men's: Closed Dec. 24, 25, 31 and Jan. 1.




HOME DECORATIONS will help light the way for annual visitor next Tuesday. Home of Froilan Ramos, 211-B Hornet, was decorated with murals of the desert scenes in which Christ child was born. Residential decorations throughout Station varied from simple light arrangements to elaborate nativity scenes. One block of tenants displayed their own community decorations. A long-time resident said "everyone has gone all out."

Safety Slogan of the Week

"Use YOUR Head — You're A Long Time Dead"

Submitted by
William Rice, Code 5515



From _____

TO _____

PLACE STAMP HERE



Peace On Earth. Good Will Toward Men

Holiday Greetings

To all of the NOTS family, we wish to extend our heartiest good wishes for a joyous Christmas and a happy, successful New Year.

Our mutual achievements in 1962 provides us with many reasons for pride in our work. Through this spirit of teamwork, we have helped protect freedom and world peace.

As we close out the old and bring in the New Year, please accept our gratitude for your continuing efforts and devotion to the tasks that lie ahead.

Charles Blenman, Jr. Captain, USN Commander, NOTS
Dr. Wm. B. McLean Station Technical Director

Community And Social News

The NOTS Hebrew Congregation will observe Chanukah, Jewish Feast of Light, with three events. Friday evening services Dec. 21 at 8:15 p.m. A children's party will be held at 11:30 a.m. Saturday after Sabbath School. There will also be an Adult party Saturday evening Dec. 22 at 7:00 p.m. All events will be held in the East Wing of the All Faith Chapel.

The Music Parents Club of China Lake wishes to express its appreciation to all those who contributed to the bake sale on Dec. 14. Special thanks to Lil Fojt, chairman, and all those who took time from their busy schedule to help with the selling of the baked goods. Proceeds amounted to \$207, making the sale the most successful ever held.

The Engineering Dept. of NOTS will have a Christmas dinner and dance on Dec. 22. Dinner will be at the Station Restaurant from 6:30 p.m. to 8:30. Dancing will be at the Community Center from 9 to 1 to the music of Chuck Messenger and his band.

Members of the Station Commander's Staff and Central Staff will hold their annual Christmas party Friday evening, Dec. 21 at the Station Community Center. Dancing to the music of Chuck Messenger's band will begin at 9:00 p.m., to continue through 1 a.m. Three twist contests, winners of which will win champagne, will be held during the evening. Door prizes of champagne will also be awarded.

The Officers Club will have its annual New Year's Eve Party Monday, Dec. 31. A Buffet of Roast Prime Rib of Beef or Turkey will be served from 7 to 10. There will be dancing from 9 to 2. Reservations will be required for dinner and dancing to insure all a joyous evening.

The Navy Exchange Child Care Center will be open on New Year's Eve from 7 p.m. to 1:30 a.m. announces Elaine Darnell. Please call 723723 for reservations.

All the children of the community and their parents are cordially invited to attend a grand and gala Christmas party to be held in the East Wing of the NOTS All Faith Chapel on Sunday, December 23, at 7 p.m. A dramatic surprise is in store for all guests. A three-act play entitled "Come and Worship" will be presented by an all-star cast. The play will be preceded by a worship service conducted by Chaplain Robert C. Fenning. The annual Christmas tree lighting ceremony on the lawn of the Station Chapel will follow the play.



TRADITIONAL OBSERVANCE — Little Pamela Breleford Nativity scene at Station Chapel a source of deep fascination. Rocketeer photographer Lee Mascarello, watching for the "right" picture, clicked his shutter to capture this Christmas scene in front of the All Faith Chapel.



HAPPY TO RETURN — The Dr. Hans Christensen family are all smiles as they return from Norway to make NOTS and America their home. The family was here for a year in 1959. Pictured (l-r) are Tuppeney, Therese, Veronica, Hans, Jeannette, Michael, and Bernadette. The family hopes to become naturalized citizens in the near future.

Christensen Family to Make NOTS and USA Their Home

The Dr. Hans Christensen family has made its decision.

Dr. Christensen, one of the world's outstanding experts in the propulsion field, his wife, Veronica, their four daughters and one son, are not only going to make America their home and adopted country, but will remain here at NOTS.

Dr. Christensen has accepted the job of Personal Service Contractor Consultant to the Station's Technical Director, Dr. Wm. B. McLean.

"It's wonderful to be back at China Lake," all the Christensens said as they began to settle down

in their home at 327 Bogue Circle.

They first came to NOTS in 1959 when the imminent Norwegian scientist worked here for a year on a scholarship sponsored by the Norwegian Ministry of Defense. For the past three years they have lived in Lillestrom, not far from the laboratories at Kjeller, and only 15 miles from Oslo.

Dr. Christensen previously was head of the explosives division of the Norwegian Defense Research Establishment since 1952.

Opportunities Here
"I decided to return to China Lake because of the unlimited opportunities available here in my particular field," Dr. Christensen remarked. "The work is stimulating and challenging."

All the Christensens are especially happy to be here for the Christmas season. Mrs. Christensen points out that in their native land few people enjoy lavish yule dinners as Americans do.

"Turkeys are too expensive there, and the chickens are too small . . . not plump, as they are here in the United States," she observed. "Probably the favorite Christmas dish in Norway is ribs of roast pork."

Christmas With the Henrys
Incidentally the Christensen family has been invited to the Dr. Ron Henrys for the Christmas feast.

The five Christensen children are, of course, thrilled with their new life in the USA. There are minor drawbacks, however, in big moves like this.

"It may be a bit difficult at first to adjust again to your school system," observed Tuppeney, 19, now a junior at Burroughs High School. But she's sure time will take care of that.

Tuppeney, by the way, started a new sports hobby during summer in Norway. She is learning skin diving.

Theresa, 16, who prefers to be called "Tess," loves our climate compared with the frigid Norwegian weather. She also digs American pop music which she used to listen to over a Luxembourg radio station. A tri-linguist (Norwegian, French and German), Tess is continuing her studies at Burroughs High, also as a junior.

Looking forward to a lot of hunting and fishing in the Sierras is Michael, 15, a freshman at (Please turn to Page 4)

Cover Picture



To hear the 18-voice Protestant Chapel Choir sing "Silent Night" is a rare pleasure, seldom equaled on the local scene. Combining this talent with the spiritual occasion that Christmas provides, gave the Rocketeer's Photographer Lee Mascarello one of his life's biggest challenges. TID's talented Jack Durk applied his artistic qualities to the photograph, rendering what we feel is a genuine Christmas Card. The voices you'll hear during services Christmas day at the Station Chapel, belong to (front row, L-to-R) Marian Carter, Lillian Fojt, Lou Ava Seybold, Janice Leonard, Lorna Charlton, Dovie Leonard (Choir Director), Betty Hefflin, Bea Moore, Karen Allen, Kitsy Hise, Barbara Auld, (Back row, L-to-R) John Seybold, Edwin Fowler, Ron Hise, Charles Armstrong, David Scottum, Robert Thacker and Bob Leonard.

New Concessionaire Agreement Announced

Preliminary negotiations have been concluded between the Station Employee Services Board and local, on-Station service facilities which will, when final agreements are reached, transfer from current lease status to concessionaire all private commercial facilities on-Station.

Examples of the service facilities involved are the dentist, pharmacist and veterinarian. In negotiating the new concessionaire agreements the pharmacist and veterinarian have indicated they will move to new locations. The Employee Services Board emphasizes that a concession agreement will be entered into to provide pharmacy services left vacant by this move, and there will not be any interruption of service in this area.

Officials of the Board, which is comprised of Station employees and has the responsibility of operating employee services, said the conversion would have dual benefits for the Station:

"Improved evaluation of the need for and adequacy of community services and generation of additional funds for community recreation programs."

Funds derived from leasing commercial facilities on the Station were formerly submitted to the Eleventh Naval District for disposition. Under the new system, these funds would be administered locally, it was pointed out. Members of the Board, who are appointed to two-year terms of office, are Jack A. Richards, Chairman; Harold I. Moore, Treasurer; Beverly A. Johnson, Secretary; Gale G. Poppon, Alfred H. Staud and William L. Kunz, members at large. The NOTS Employees Services Board was known until last summer as the NOTS Restaurant Board.

SIP LAUNCH

Space Probe Soars 200 Miles in Test

Another "first" was scored in the space probe field by NOTS through the cooperation and teamwork of four Station Departments when SIP, a ground launched space probe rocket, blasted off its launcher just before dawn on Nov. 30 to a height of 200 miles from San Nicholas Island.

SIP is an adaption of the "Hi-Hoe" rocket which was successfully air launched on July 25 over the Pacific Missile Range from an F4HII piloted by Lt. Al S. Newman.

The basic purpose of the SIP launch was to carry out payload experiments of which the details are classified. The program was carried out for the Astronautics Division of BuWeps by the Propulsion Development Department.

Edwin G. Swann, Head of the Missile Propulsion Division, was program manager for the SIP project.

A Team Effort

Swann has nothing but praise for the "team effort" put forth by so many people in various departments.

An excellent job of test cooperation between NOTS and the Pacific Missile Range was handled by the Project Engineering Division.

An accolade goes to the Test Department's Range personnel for their launcher design work.

Vehicle design and assembly work was done by "Chuck" Dye's Advanced Systems Branch, Weapons Development Division, and Ben Holder, Propulsion Development Branch, Propulsion Department, before he left to join NASA at Houston.

Vehicle analysis and range safety studies were handled in a competent manner by Ed Winkler's Dynamics Branch of the Weapons Development Department.

Payload Concept

The payload concept and development was taken care of by Mel Crausere of the Armament Control Systems Branch of the Aviation Ordnance Department and Earl Yim of the Liquid Propulsion Systems Branch, Propulsion Department.

Year's Achievements Nets 'Well Done' For BuWeps Installations

Expressing it in the form of a dispatch to all Bureau of Weapons installations, Rear Admiral K. S. Masterson, Chief of BuWeps, sent the following message early this month:

I am in receipt of a memorandum from the Chief of Naval Operations addressed jointly to the Chiefs of the Bureaus of Ships and Naval Weapons, reviewing Bureau accomplishments during Fiscal Year 1963. In his memorandum, Admiral Anderson states in part:

"In fulfilling the responsibilities assigned, the Bureau of Ships and the Bureau of Naval Weapons has given, day after day, consistently excellent performances in a multitude of ways. This standard of quality the Navy has learned to expect and accept as routine. . . . Please pass to your hard working personnel, military and civilian, the appreciation of the entire Navy Community for their selfless devotion which has greatly contributed to the Navy's combat readiness."

In behalf of all Bureau of Naval Weapons personnel, I am extremely gratified to receive this commendation from the Chief of Naval Operations and extend to you and to each of your people my grateful appreciation and my personal "Well done"

SPORTS QUIZ

1. Who was the 1962 Heisman Trophy winner?
2. Name two of the five former Olympic boxing champions who have gone on to win world championships.
3. What golfer holds the Professional Golfers Association record for winning 11 consecutive tournaments?
4. Five foreign-born boxers have won the heavyweight crown. Name four of them.
5. Which of the following sports is strictly American in origin: basketball, rowing, football or billiards?

(Answers to Quiz)

1. Terry Baker, Oregon State.
2. Frankie Genaro, flyweight; Fidel Labarba, flyweight; Jackie Fields, welterweight; Pascal Perez, flyweight and Floyd Patterson, heavyweight.
3. B. Nelson set the record in 1945.
4. Bob Fitzsimmons, England; Tommy Burns, Canada; Max Schmeling, Germany; Primo Carner, USA.
5. Basketball.

Gear Issue Room Now Relocated

The Station gear equipment room has moved to the southeast corner of the Station Restaurant building, it was announced this week by the Special Services office.

Hours of operation for the facility are from 9 a.m. to 5 p.m. weekdays.

Gear available for checkout to military personnel and civilian organizations includes camping outfits and fishing gear.

INTRAMURAL CAGE STANDINGS

Team	Won	Lost
NAF	3	1
Engineers	3	1
Marines	2	2
NOTS	2	2
Salt Wells	2	2
VV-5	0	4

NOSE CONE ASSEMBLY — Shown assembling the nose cone of SIP which soared to a height of 200 miles in a successful test (l-r) are: Carl Valdez, Code 55; Dick Noland, Code 3519; Sanford Haseyama, Code 4514; and Don Hill, Code 3519.



SIP LAUNCHER — The SIP rocket is shown on the launcher from which it was fired at San Nicholas Island. It attained a height of 200 miles.



RIM SHOTS

By BILL VALENTEEN



It's going to be a big year for the Trojans in '64. With the money they're going to make on the Rose Bowl alone, they can move the whole campus to Pasadena. They get at least \$140,000 from the network for the TV rights, as well as some of the gate receipts. The University of Notre Dame picks SC to whip the Badgers in this classic, and this is one time I've got to go along with them.

The "Three Hits and a Miss" golf tournament was capped by a dinner gathering of the local sodbuster bunch, when 80 of them gathered at the COM last Saturday night. Bill and Dovie Hampton walked off with some cute door prizes, as did Leon Karner and Phil Lilly. During the less serious moments of the day, the team of Jay Mueller, Leon Karner, Capt. McCreery, and Harry Willis won the top trophy with a low net of 57. Tying for second place with a low net of 58 were the teams of Peg Johnson, Bill McIntosh, Jim Greenfield and Les Fairall; and Phyllis Davis, Bill Herron, Ellis Austin and Al MacDonald. By the way, if any of you folks have some last minute Christmas shopping to do, the pro shop has an excellent selection of gift items such as shirts, hats, etc.

The annual L.A. classic, the big-time S.C.-U.C.L.A. basketball tournament that is held every year at this time, gets underway this weekend at the Sports Arena. So far, it looks pretty even for the outcome. Both teams defeated Oklahoma and Missouri this weekend, but I think the Bruins will take it easily.

The Syracuse Nats credit their progress in the N.B.A. to good team play and shooting skill. "And, besides," says Alex Hannum, "our center doesn't have a beard or a moustache!"

I have it from rather reliable sources that quail hunting is best in the early afternoon. All I can say is, good! Now, maybe I can get some sleep!

You may have been reading in the field and stream columns about the agreement that NOTS signed with the Fish & Game Commission. The columnists have said that at some time in the future, nimrods and anglers will be permitted to pursue their interests on portions of our 1200 square miles of range terrain. This is not necessarily true. The Station did sign an agreement to act as a sanctuary for the preservation and procreation of wild life in this area, but beyond that, any speculation as to using the ranges as recreation areas would be pure conjecture, since no policy with respect to allowing sportsmen to enter the area has ever been established. It wouldn't take much of an imagination to understand the magnanimity of the security problem that would evolve, although I'm sure this is only one of many considerations that must be thought out before a decision could be made.

There's a new "fad," I guess you'd call it, beginning to get underway around the country — private billiard parlors for women. It seems that the gals are beginning to take the cue (oooh!) on this idea and it's really gaining momentum. So, if your daughter comes home one day with a few additions to her vocabulary, such as "rack" and "break," don't get alarmed. She's just been bitten by the billiard bug.

Some of you might be interested in the fact that Dick Nixon is being considered as the man to take Ford Frick's place as Baseball Commissioner. And speaking of baseball, you may be interested in what happened to some of your favorite ball players now that trading has halted. Here's a little of the lowdown: Dick Stuart and Dick Groat went to the Cards, and Don Hoak went to the Phils. This leaves Mazerowski as the only veteran infielder at Pittsburgh. Joe Amalfitano is back with the Giants, and Norm Larcker went to the Cards. A full evaluation of all the deals is forthcoming.

At Burroughs High, John Anderson's A's have won all but one game so far. Let's get out and back the locals, they're doing a great job!

- Here's a recap on the top 10 sports stories of 1962:
1. Liston defeats Patterson for heavyweight boxing title.
 2. Giants win the National League pennant and go on to beat the Yankees in the Series.
 3. Maury Wills steals 104 bases to break Ty Cobb's long-standing record.
 4. Benny (Kid) Paret's death.
 5. Jack Nicklaus' playoff victory over Arnold Palmer for the U.S. Open Golf crown.
 6. Weatherly beats Gretel for the America Yachting cup.
 7. John Uelses breaks pole vault record with 16 feet.
 8. Valery Brumel of Russia highjumps 7 feet, 5 inches.
 9. USC gives West Coast first mythical National Collegiate football crown since 1954.
 10. Arnold Palmer wins second straight British Open Golf crown.

Holiday Bowling Tournament BOWLING ALLEY NO. 2

Doubles—Women and Men (any combination); handicap—2/3 of 200; use highest known current average of 12 games or more. Starts December 22 and ends at close of bowling December 31. Enter as many times as you like. Same double partners can only win once. Bowl any time a pair of lanes are available. Must be at least two entries on a pair of lanes. Each bowler pays \$2.00. \$20 pay-off for every 10 entries (highest 3-game series). Average unknown—Women use 125, Men use 180. For further information contact Tom Short or Bob Owens, Ext. 72006.

I would like to take this opportunity to wish all of you a Very Merry Christmas and a Happy New Year and to thank you for the wonderful cooperation I have received the past year.—Chuck Mangold, Recreation Director.

NOTS Pasadena News

Virginia E. Lane — Ext. 481

HOLIDAY MESSAGE

This was a year requiring special alertness from all of us in a time of national crisis. The period of vigilance is not yet behind us, but in this Christmas season all of us can be especially happy and proud of the part our work has played thus far in preserving peace.

Our personal wishes for a happy yuletide go to each of you and your families. We are sure that 1963 will be another year of accomplishment for NOTS and the Navy everywhere.

D. J. WILCOX
Head, Underwater Ordnance Dept.
Capt. E. I. MALONE
Officer in Charge



Asseier Takes Supply Post

Not a submariner but a sub-rooper is CWO A. H. Asseier, now aboard NOTS Pasadena, as Assistant to Associate Director of Supply, succeeding Japan-bound Lt. Billy Joe Merrell.

CWO Asseier's previous duty was with Operation Deep Freeze's wintering-over party for 11 months in Antarctica. He was based at McMurdo Sound.

In the Navy since 1939, CWO Asseier served aboard destroyers of the Atlantic Fleet for five years, part of which was in World War II. He also served in the Pacific and later in the Korea conflict.

A native of the Bronx, N. Y., he now lives in Glendora with his wife, Stella, and their children, Fred, 12, and Karen, 9.

The woman who henpecks her husband is likely to find him listening to some other chicken.

**ESO XMAS PARTY
TONIGHT—5 - 7 P.M.
at
EL DORADO INN**



ABOUND WITH HOLIDAY CHEER — The NOTS Pasadena Christmas Choir is singing again this year at various facilities. Yesterday they caroled at the Veterans Administration Hospital, Long Beach. Today they're at the Foothill and Morris Dam stations.

UCLA Students Tour

Engineering students from UCLA, engaged in a senior project to design a complete torpedo, toured the Pasadena Annex and the Morris Dam facilities to obtain background material.

Each of the students is responsible for a specific phase of the vehicle design.

Conducting the tour were James H. Green and Eric D. Swanson of the Turbomachinery Branch. The students are Tadao Aoki, Marvin Appel, John Bott, Yariv Haran, Edward Jahn, Alan Nakashima, Thomas Lippitt, Vic Pacheco, Lawrence Tokunow and Robert Wilson.



TOUR — UCLA students are shown as they were conducted on a tour here by James H. Green and Eric D. Swanson.



Honor 21 With SSP Awards, Service Pins

Four Sustained Performance Awards and 17 Service Pins—six 20-year, seven 10-year and four 5-year — were presented last week to 21 employees of the Systems Operations Division of the Underwater Ordnance Department.

Lt. Cdr. E. W. Norton and D. A. Kunz, head, Systems Operations Division, officiated at the ceremonies.

The SSP awards were to E. Ray Musgraves, Karl Scharping, James Taylor and Herbert C. Wade.

Five-year insignia winners were Charles H. Eva, Robert J. Evans, Ivor P. Lemaire and Frank Strahalm.

Unfortunately, not all of the recipients were able to attend the picture-taking ceremony, but those who were are in photos at left and below.



20-YEAR SERVICE PINS — Lt. Cdr. E. W. Norton, representing Capt. E. I. Malone, Officer in Charge, presents well-earned awards to Leonard Semeyn, Matilda M. Pollock and David L. Pruitt (left to right). Awards highlighted week of Pasadena activity.



SSP AWARDS — E. Ray Musgraves and Herbert C. Wade (right) get the coveted Sustained Superior Performance awards from D. A. Kunz, Head, Systems Operations Division (left).



WIN 5- AND 10-YEAR INSIGNIA—Recipients and the number of years they have served are (left to right) Averil M. Hanna (10), Ivor P. Lemaire (5), Robert J. Evans (5), Donald B. Davey (10) and Harold R. Jensen (10). Awards were made this week at Pasadena.

Yuletide Marked By Many Awards For 87 Employees

Three departments gave recognition last week to 87 NOTS employees in the form of service pins, superior accomplishment awards, pattern awards, beneficial suggestion awards and industrial accident prevention awards.

The Test Department led all others in the number of personnel receiving awards with a total of 74 awards. The Engineering Department presented six of its employees with 20-year federal service awards and one employee with a 30-year federal service award. The Supply Department presented NOTS' 10-year pins to six of its employees.

Awards by Departments are as follows:
Test Dept. 20-year Pins Twenty-year federal service pins were awarded to the following 13 employees: James King, Wilfred Clark, Eugene Smith, Fred Ashbrook, Amy Griffin, Frank O'Connor, Charles Adams, Paul Kasal, John Everett, Albert Schoss, Lester Gorman, Robert O'Neill and Frank Young.

Test Dept. 10-year Pins NOTS' 10-year service awards went to the following 21 Test Department employees:
Nancy Glover, Cordia Lea Tankersley, Helen Tharpe, Richard Finch, Donald Grasing, Dorothy Richmond, Rafael Alvarado, Lloyd Berry, Allen Gillespie, Kendall McComas, James Terry, Neil Krenzel, Lyman Van Buskirk, Glyn Weeks, Joel Trimble, Donald Godett, Elbert Smith, Glenn Bray, Donald Brunton, Paul Miller, and Jack Day.

Test Dept. 5-year Pins Twelve Test Department employees were recipients of NOTS' (Continued on Page 8)

FACES RETIREMENT

'Sgt.' Kelley Turns In Police Badge

The Station's first and only police woman termed her 16 years at China Lake, "the happiest of my life" this week, expressing regrets that she faces retirement Dec. 31.

Edna H. Kelley, grandmother of four boys and a onetime Wisconsin farm girl, came to the Station in 1946 as an employee of the California Institute of Technology.

A Guiding Hand As the lone lady police officer, "Sgt." Kelley has helped a good percentage of today's Station population through its growing pains.

"My job has been a good deal more to me than just employment," she mused, recalling the close association she had developed with families of children she has helped "avoid some of life's pitfalls."

Commenting on juvenile delinquency, an area in which she has been most active as a local police officer, Kelley reasons that women are more understanding than men in most instances.

Combats Juvenile Problems "I think the decrease of juvenile crime can only be achieved through the combined efforts of both male and female police work.

"Of course, parental responsibility is the real key to the successful elimination of this social problem," she claims.

The mother of one son living in Tacoma, Wash., Kelley will maintain her own residence in Lancaster after retirement this month.

"I've always wanted to visit Hawaii, so this is my next big project," she stated.

Raised in a farm family of six girls and two boys, Kelley once hoped for a singing career, specializing in spiritual music. Thwarted from this ambition, she had developed a successful sales career before moving to California in 1942.

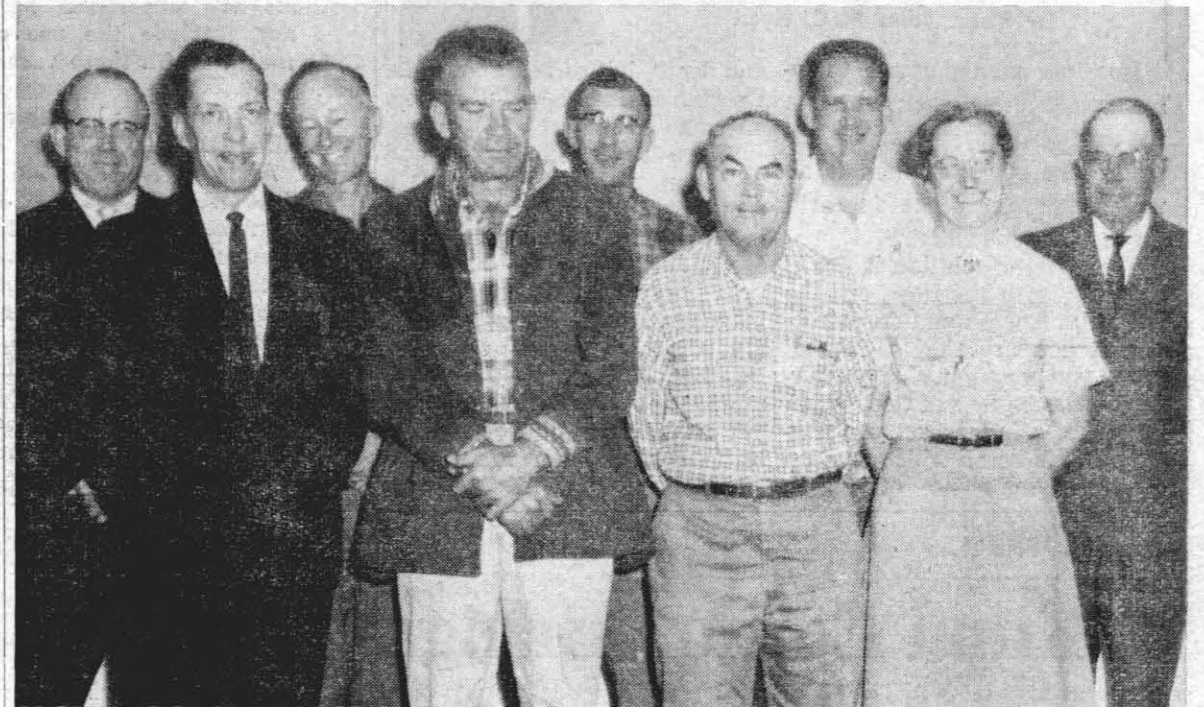
"I never dreamed that I would someday go into law enforcement work," she continued, adding that it had "given her a greater satisfaction than anything I've ever done in life."



EXCHANGING BADGES — Retiring policewoman Edna H. Kelley was presented a gold honorary badge by Security Officer Jack R. Griffin late last week, replacing "Sgt." badge she's worn for past 16 years on Station. She'll retire here as the force's lone lady police officer Dec. 31.

ROCKETEER
FROM UNDER THE SEA TO THE STARS

Vol. XVII, No. 50 Naval Ordnance Test Station, China Lake, California Fri., Dec. 21, 1962



TEST DEPT. 20-YEAR PINS — Nine of the 13 Test Department employees awarded the coveted 20-year Federal Service pins last week (l-r) front row are: James King, Robert O'Neill, Frank O'Connor, and Amy Griffin. Back row (l-r) are: Lester (Red) Garman, Albert Schoss, John Everett, Fred Ashbrook and Eugene Smith. Twenty-year personnel not present for picture were Wilfred Clark, Charles Adams, Paul Kasal, and Frank Young.



100 YEARS SERVICE — Six employees were singled out last week by the Engineering Department for their faithful service to the Government. Shown receiving their 20-year federal service pins (seated) are Roland Reynolds and James Egbert. Standing (l-r) are: Van Allason, Clyde Marley, Gilbert Fountain, and John C. Sampson.

Speed Limits Upped On Some Station Roads

Speed limits on certain Station roads have been raised, according to K. S. Skaar, Head of the Safety Department.

Roads which have had the speed limit increased from 35 to 45 miles per hour are as follows: Water Line Road, Pole Line Road, access roads to the Propulsion Development Laboratories, the SNORT facility, Sandquist Road and North Knox Road to the magazine area.

Skaar says that department heads may request a traffic survey on specific roads which they think it is feasible to change the existing speed limit.

These requests should be directed to the Head, Field Operations Division, Safety Department, Skaar said.

The surveys will be conducted by personnel of the Field Operations Division along with a representative from the requesting Department.



RECEIVES 30-YEAR PIN — K. H. Booty, Head of the Engineering Department, presents machinist Stevan N. Jurich with the highly coveted 30-year federal service pin. Jurich began his career with the War Engineers in 1927. He transferred to NOTS in May 1956 from the Department of the Army. He takes great pride in his work.

CHAPLAIN'S MESSAGE

The 'U Bomb' vs 'H Bomb'

By Msgr. John F. C. Ryan



However men degrade themselves; however black with sin the world becomes; however desperate the outlook; there is always hope "for peace on earth for men of good will." The specific solution is the U Bomb of Faith and Hope, not the H-Bomb of death and despair. And you are the "U-Bomb." When you pray, you charge yourself with the grace of God. When you place a human act you trigger off the bomb which sets up chain reactions, not of misery

and death, but of peace and life. Every man is needed — but no one can do it all. There are problems so big and so complex that not one but a whole cluster of "U-Bombs" must be fired simultaneously to be effective. In practical language, this means on local, state and national levels there must be clustered together American citizens for unified action if we are to make our convictions in God felt in bringing about the restoration of all things in God.

EDITORIAL

Final Edition Brings Goals Into Focus

With this edition, the Rocketeer brings to an end its efforts in providing a year of news coverage for Station readers. It is significant to recall that 1962 introduced to the Station a 100-percent increase in the size of the Rocketeer. Even with this additional space its staff frequently was left with too little space to reflect the achievements of many in the NOTS family. This is an area we shall strive to correct in the months of 1963. No praise is high enough to describe the essential services provided by Rocketeer correspondents. If this publication has achieved its objectives to a significant degree, it has done so only through the willing cooperation of those who have generously given their time in serving as "part time" reporters. In a true sense, we believe this combined effort is a measurement of success we have realized in 1962. It reflects the range in readership represented. And, it shall serve us again as a goal in 1963.

EDITORIAL

The Christmas Spirit: Who Can Resist It?

CHRISTMAS is many things, depending on where we happen to be—and many of us are far from home and family on this happiest of holidays. Christmas is carolers singing the traditional airs and it is Irving Berlin's White Christmas. It is the giant tree in New York's Rockefeller Plaza and it is the dazzling Christmas Tree Lane in Fresno, Calif. It is wreath, holly, poinsettia and mistletoe. It is the time hearts are gladdened and spirits lifted by the magical story of Christ's birth. For some Christmas is the jam-packed mail box, for others it is the jumbo mail call and the tireless Bob Hope touring for the troops. Christmas is snow and Christmas is tropical palms. It is Dickens' A Christmas Carol and Judy Garland in The Wizard of Oz. It is Dr. Clement Clarke Moore's A Visit from St. Nicholas and Francis P. Church's editorial, "Yes, Virginia..." "Above all, Christmas is for the kids. We plan and spend and work to make it their happy time and their happiness rubs off on us—presto, we're all Santas without sleighs! And Christmas is a feast, whether at home or dining out, whether on base or aboard ship. It would be great, wouldn't it, if the Christmas spirit could overflow its season and change the world? No wars. No hatreds. No suspicion. No envy. Utopia.

Schedule of Christmas Services ALL FAITH CHAPEL

Table with columns for Protestant, Catholic, and Hebrew services, listing dates and times for various religious observances.

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. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

Stock Control Clerk (2 VACANCIES), GS-3 or 4, 14612 AMI/14612AMI-2, 14611 AMI-3/14611AMI-5 Code 2573 — To determine stock requirements, replenish stocks, maintain stock records, follow-up receipts and liaison with consumers. GS-3 duties consist of screening, posting, reviewing and expediting stock. File applications for above positions with Jinny Millett, Room 34, Phone 72032.

Family Returns . . .

(Continued from Page 2) Burroughs High. He's an ardent swimmer, too. Ice Cream Popular "I like TV and ice cream," beamed Bernadette, 12. She's a sixth grader at Murray Junior High School. Five-year-old Jeannette likes everything here. The family has a special plan for the little one. They will speak Norwegian in their home so that Jeannette doesn't forget her native tongue. Obviously all sports enthusiasts, the entire Christensen family brought skis, ice skates and bicycles with them. They're all set for all the four seasons, and high and low altitudes. Only In America One other happy note concerning their arrival here is the fact that they have a Cadillac at their disposal. It is being loaned to them by Dr. Thomas E. Phipps, Head of Research. "Where else in the world could you find people so generous?" asked Dr. Christensen.

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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. Roman Catholics (All Faith Chapel) Holy Mass—7, 8:30 a.m. and 4:45 p.m. Sunday. 6 a.m. Monday through Friday, 8:30 a.m. Saturday. Confessions—8 to 8:25 a.m., 7 to 8:30 p.m. Saturday, Thursday before First Friday—4 to 5:30 p.m.

NOTS Hebrew Services (East Wing All Faith Chapel) Every first and third Friday, 8:15 p.m. Sabbath School every Saturday morning. Unitarians (Parish Hall) Fellowship Meeting—Sundays, 7:30 p.m. Sunday School—9:30 a.m.

The Rocketeer

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'DESERT PHILOSOPHER'

Christmas Symbols

By "POP" LOFINCK



We have on this base and adjacent desert a living symbol of Christmas.

I refer to the so-called burro, named for a Spanish word meaning small horse. Donkey is a slang nickname for duncan, meaning a small domestic animal resembling a horse, but with long ears.

The right name is ass — the term used in the Bible. Jesus rode on an ass into Jerusalem, thus bestowing on the ass the honor and distinction of aiding Jesus with his mission.

The word ass is often used in the English language to denote stupid, stubborn behavior.

When it comes to survival, the ass is smarter, more intelligent than the horse. And they do have a mind of their own — which isn't necessarily stubbornness.

The ass got here from North Africa by way of Spain, brought over by the conquistadors and early explorers for pack animals.

Then the prospectors took to burros. They were seeking mundane or monetary values rather than spiritual values. But, maybe they found both in the silent solitude of a desert night. Seems probable.

If the prospector struck it rich, he'd often turn his animal loose — or if he died, they were on the loose and multiplied. That accounts for the herds of wild asses in the southwest USA.

Most Christmas customs pre-date the Christian era. In pagan times, many people were sun worshippers. So — at the winter solstice — the shortest day in the year in the northern hemisphere — there was feasting and rejoicing about the days getting longer.

Pre-Christian Rome decorated their feasting with green bows and flowers, if there were any.

Druids had quite a ritual with mistletoe. The Saxons used holly, ivy and bay twigs.

The Christmas tree is a later day custom of German origin. Martin Luther introduced the tree lighted with candles. German immigrants brought the custom to the United States.

The exact date of Jesus' birthday has never definitely been determined, but it was about the time of the winter solstice. So, it was arbitrarily set at Dec. 25, to correspond with the solstice.

As of today, the shortest day is Dec. 22. The solstice hasn't changed — but the calendar got balled up over the centuries.

The idea of evergreen tree or bows is a symbol of everlasting life.

But, as an appropriate Christian symbol of service to Jesus, shouldn't your tree have a miniature ass or burro in its decorations?

No Rocketeer and no column for the next two weeks. Wishing you a very Merry Christmas and happiness throughout the New Year.

Grim Traffic Picture

Christmas time is the most dangerous time of the year for automobile drivers. Here are the facts:

Three out of four fatal Christmas accidents involve driving too fast for conditions or in excess of stated speed limits. More than half of all traffic fatalities in December involve drinking drivers. One out of four December traffic accidents involves a pedestrian who has been drinking.

Christmas Eve is the most deadly period of the holiday season. During the last six hours of Christmas Eve, the hourly rate for fatal accidents is approximately five times greater than it is for the balance of the holiday.

Most people have the misguided idea that a few drinks will not affect their driving. These people are playing with danger and disaster. Drinkers are never the competent to judge their own abilities after a few drinks. Scientific studies have determined that critical judgment and ability are impaired by every drink and each successive drink.

Fatigue is a factor in many traffic accidents at Christmas time. Don't "drive yourself" by driving when you are too tired. Start your holiday trips in plenty of time so you will not have to hurry. Slow down at sundown. The fatality rate in traffic accidents rises sharply during the hours of darkness.

Seat Belts Save Lives. A national survey on a recent holiday shows that not a single person who lost his life in holiday accidents was wearing a seat belt. Seat belts will not prevent accidents but in many instances they can prevent injury and death.

With drunken driving being held responsible for thousands of deaths each year, one country at least seems to have solved the problem. In San Salvador, the little country in Central America, the penalty for driving while under the influence of alcohol is execution by a firing squad.

The National Safety Council predicts a Christmas holiday traffic death toll of between 650 and 750. The 102-hour span from 6 p.m. Friday to midnight Christmas Day, also could bring disabling injuries to between 27,000 and 33,000 persons from auto accidents.

During a comparable non-holiday period at this time of year, the Council said, 470 persons are killed and 20,000 injured in traffic.

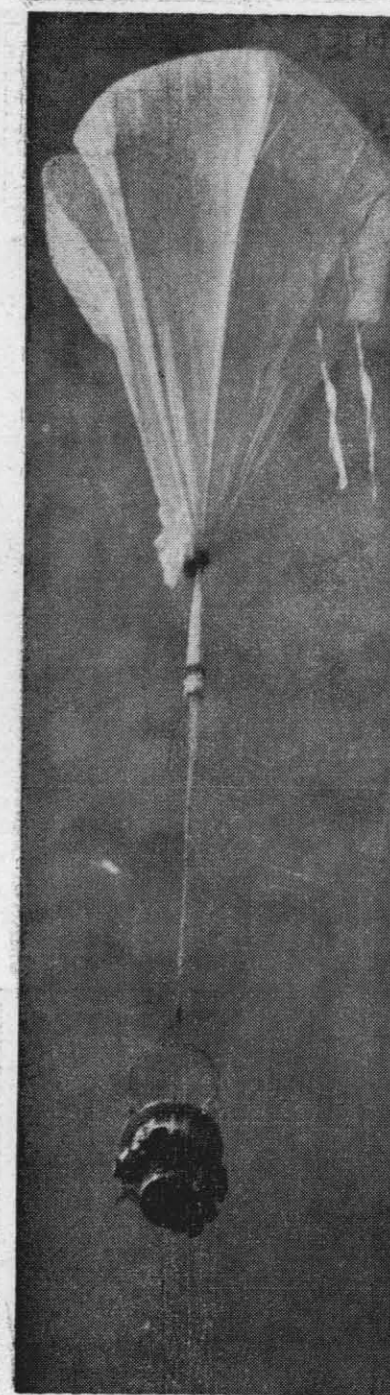
W. C. White Astronomer On 'Stargazer'

William C. White, an astronomer attached to the Research Department, added a very impressive first to the list of accomplishments by NOTS personnel last week. Bill ascended to a height of 82,000 feet by means of a high altitude balloon to conduct basic research in a space environment program. This project, called "STAR GAZER", was funded by the Air Force's Office of Aero Space Research, and was carried out under the direction of Dr. J. A. Hynek of Northwestern University. Dr. Hynek has been a very close friend of Bill's since his day at Ohio State University where he was Bill's graduate advisor.

'Stargazer' Plan Told

The primary purpose of "STAR GAZER" was to determine the value of manned balloon observations in the gathering of astronomical information. To date, astronomers have been limited in their ability to search the upper limits by the earth's atmosphere. The atmosphere absorbs both infrared and ultraviolet light waves originated in space. All available light that passes through the atmosphere is distorted, plus wind currents also hinder observations, which creates confusion in the astronomical information obtained.

Bill was accompanied on this trip by Captain Joseph W. Kittinger, Jr., U. S. Air Force balloon pilot. Their vehicle was an aluminum gondola which carried complete instrumentation for the scientific experiments to be conducted, plus flight instruments and survival equipment. In addition to Bill's participation in the actual flight, NOTS contributed to the success of Project



LIFT OFF — Huge, gas-filled balloon, designed specifically for "Stargazer" flight, rose from runway at Holloman Air Force Base, N. M., carrying gondola's passengers to 82,000 feet.



BALLOONIST TEAM — Aerospace Medical Lab's Capt. Joseph W. Kittinger, Jr., and Astronomer William C. White, photographed from hatch which was sealed during flight, completed successful flight to nearly 16 miles

into upper atmosphere last week in "Stargazer" gondola. White, attached locally to Research department's Earth and Planetary Sciences division, served as observer during flight. —Photos by U.S. Air Force

PROJECT 'STARGAZER'

SOARS 16 MILES UP

Local Astronomer Scores Scientific Success

"STAR GAZER" by the design of the instrumentation which made possible the scientific experiments conducted above the earth's atmosphere.

Called "Success"

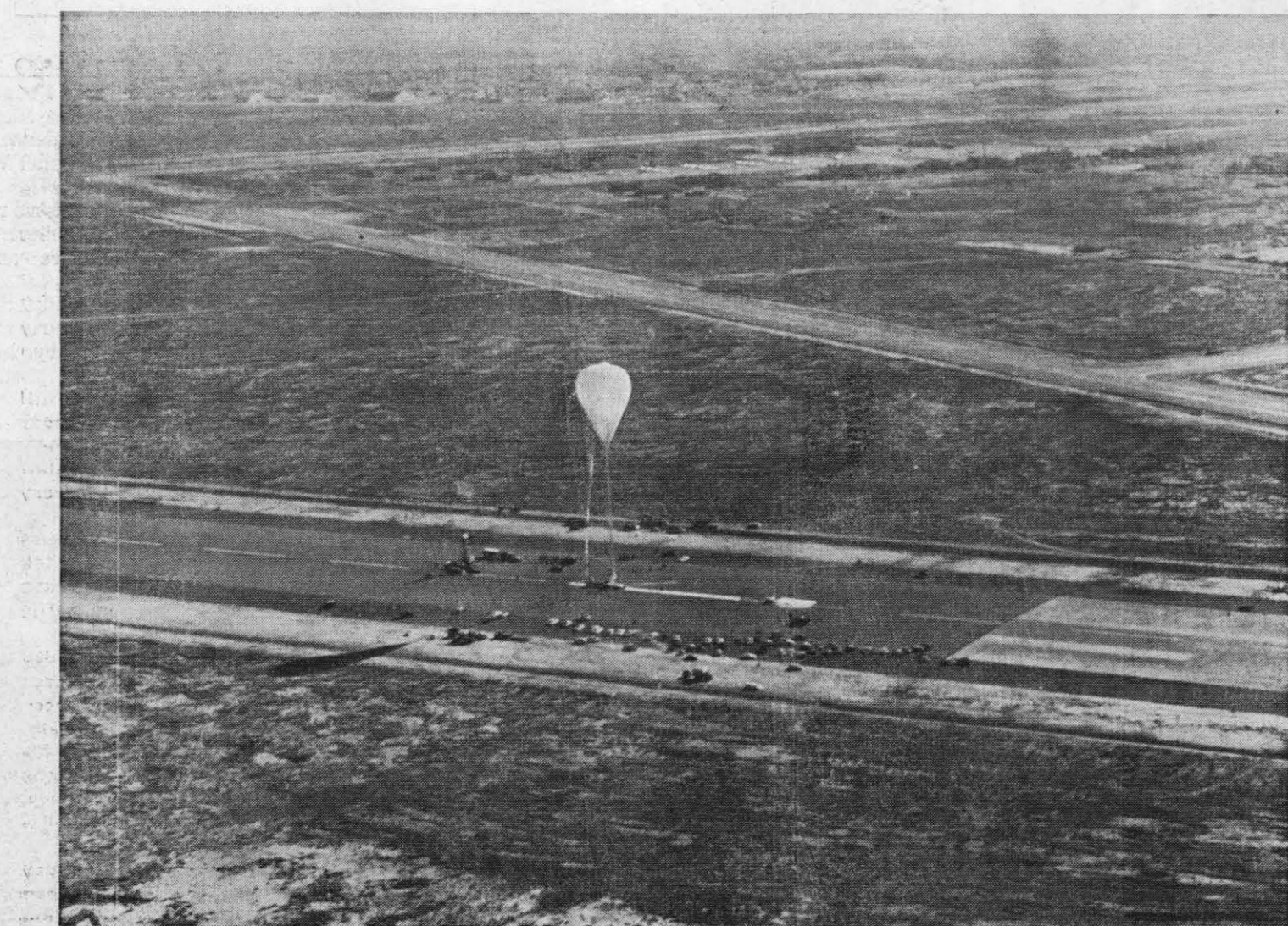
The flight lasted 18 hours, and upon his return to earth Bill stated the project was a complete success and will pave the way for more extensive future experiments. One of the things wrong with past balloon flight was that the men who made them were not technically qualified to pass judgment on all phenomena observed.

Dr. S. D. Elliot, Jr., research physicist, attached to the Research Department, accompanied Bill to Holloman Air Force Base on this research venture and conducted ground experiments in astronomy which duplicated those being gathered by Bill above the earth's atmosphere.

Dr. Hynek, "STAR GAZER" Scientific Director, was very enthusiastic in regard to all aspects of the experiment and stated that this will prove to be a milestone in the history of astronomy.

Maiden Voyage

Captain Kittinger, the balloon pilot, has made five ascents before, but this was Bill's first experience in ballooning. Before this historic trip he stated he saw nothing particularly adventurous about it from a physical standpoint, but that he was very excited about the prospects of new knowledge.



HISTORIC FLIGHT — Aerial view of Holloman Air Force Base in New Mexico, taken shortly before "lift-off" last week, shows "Stargazer" with support equipment on runway, making preparations for ascension. Purpose of project was to

make observations of stars from stationary platform at levels above earth's normal densities. China Lake's William C. White, Navy astronomer, was scheduled to return here today following de-briefings of flight.