

PRINT-OF-THE-MONTH selected by the China Lake Photographic Society, titled "Tee-Hee," was made by Clare Grounds with a 4x5 Graflex camera using a 71/2 in. lens. Grounds lighted the baby with three synchronized electronic strobes, exposing Super XX film at f.22. Camera club salon group invites those interested in photo critiques to attend Jan. 13 meeting at 361 McIntire St. Session starts at 7:30 p.m.

CPO Wives Induct **Two New Members**

in the final meeting of the year ing last week. for the CPO Wives Club held The club is providing two last week at the home of Mrs. Christmas baskets for distribu-

cepted as new members in the is to be held Friday, Dec. 18,

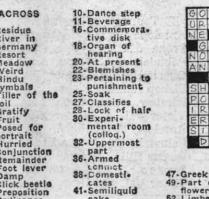
It was announced that the del in Inyokern. Members and SUNDAY-MONDAY Jan. 4, would include election ly invited.

Two new members were in of officers. The slate of candistalled and plans for the first dates was submitted by the nommeeting of 1965 were included inating committee at the meet-

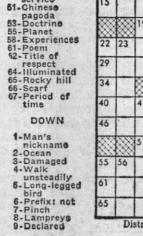
tion by the Station Chaplain to Mrs. Edward Dubrovsky and area needy families. The annuat the home of Mrs. John Krie- ture Youth.)

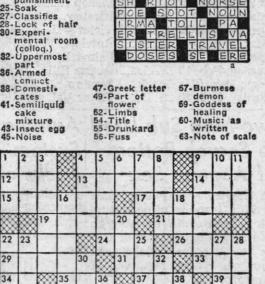
next meeting, scheduled for their husbands are most cordial-

Answer to Previous Puzzle CROSSWORD PUZZLE









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SHOWBOAT

FRIDAY DEC. 18
"FALL OF THE ROMAN EMPIRE" (152 Min.)

7 p.m.
(Adventure in Color) An immensely spec-

(Santa Claus Will Be There)

"TOMBOY AND THE CHAMP" (92 Min.) Candy Moore Shorts: "Suff A Woody" (7 Min.) "Capt. Marvel No. 6" (17 Min.)

WONDERFUL WORLD OF BROTHERS GRIMM" (129 Min.) aurence Harvey, Claire Bloom, Barbara Ede

de for old and young alike. It tells three bler and the Elves" and "The Singing Bone. An all star cast makes for thrills and palore. (Adults, Youth, Children.)

SUNDAY-MONDAY DEC. 20-21 'THE UNSINKABLE MOLLY BROWN" (130 Min.) Debbie Reynolds, Harve Presnell

7 p.m. (Musical Comedy in Color) Two back-o get even. Debbie is an absolute riot!
"don't miss" film for sure. (Adults, You

TUESDAY-WEDNESDAY ("EAST OF SUDAN" (84 Min.) Anthony Quale, Sylvia Sims 7 p.m.

(Action Drama in Color) Shorts: "Magoo's Young Manhood" (7 Min.)
"Sound of Speed" (17 Min.)

CLOSED CHRISTMAS EVE

"A SHOT IN THE DARK" (102 Min.)

7 p.m. (Comedy in Color) "The Pink Panther's jurders. All seats will be filled for thi only to gaze at beautiful Elke. (Adult., Short: "Festival of Bulls" (10 Min.)

> --MATINEE--"HAND IN HAND" (75 Min.)

1 p.m. Shorts: "Christopher Crumpet" (7 Min.) "Capt. Marvel No. 7" (17 Min.) --EVENING--"CARTOUCHE" (124 Min.)

Mrs. Vincent Brennan were ac- al CPO Wives Christmas party of a French-type Robin Hood steals from the (the two worms) By Riccardo about 75 persons. Mrs. William omance come before business. (Adults, Ma-

> "BEHOLD A PALE HORSE" (121 Min.) Gregory Peck, Anthony Quinn 7 p.m.

TUESDAY-WEDNESDAY "BECKET" (148 Min. Richard Burton, Peter O'Taole, Martita Hu

(Adults and Youth.)

HURSDAY-FRIDAY DEC. 31, JAN. "THE LIVELY SET" (95 Min.) James Darren, Pamela Tiffin, Marilyn Maxwell

(Action-Drama in Color) Discharged GI goes back to college but can't keep from working on a jet race-car design. He finds there are nally completes a super gas turbine car

Shorts: "Get Lost Little Doggies" (7 Min.)
"Water Color Holiday" (10 Min.)

--MATINEE--"1001 ARABIAN NIGHTS" (76 Min.) Mr. Magoo Shorts: "Emperor's New Clothes" (7 Min.)

"Capt. Marvel No. 8" (17 Min.) --EVENING-"SEVEN BRIDES FOR SEVEN BROTHERS" (103 Min.)

(Musical Comedy in Color) One of the six rawl-loving brothers brings a bride back ome with him after a trip to the settlement and the fun begins. You'll have to see th dull moment, even in the songs. (Adults,

Short: "Hare Arabian Nights" (7 Min.) SUNDAY "FAIL SAFE" (111 Min.) Dan O'Herlihy. Henry Fonda

7 p.m. No synopsis available Short: "Scoutmaster Magoo" (7 Min.)
THEATRE WILL BE CLOSED FOR PAINTING JANUARY 4, 5, 6, 7



JEROME HINES as Russian Tsar is shown in death scene from "Boris Godounov" with Charlotte Blackmon playing the part of his 12-year-old son, Feodor, at concert last Tuesday.

Hines Wins Plaudits in Dual Roles as Singer and Dramatist Metropolitan Basso Jerome Hines warmed a near-capacity

audience on an extremely cold night Tuesday with a concert that left his listeners reluctant to go home.

ed an international flavor, including favorite opera and concert selections in German, Italian, Russian and English.

Hines, whom the ladies immediately stamped as "un hom- In the finale, Hines appeared bre muy simpatico," opened his with superb makeup as the Rusconcert with selections from sian Tsar from Moussorgsky's Mendelssohn, Bach and Handel. "Boris Godounov," in which he But it wasn't until he sang was assisted ably by Charlotte Brahms' "Wie bist Du meine Ko- Blackmon, Burroughs high DEC. 26 Queen) that the Hines personal. role of Boris' 12-year-old son, ity came through, and the audi- Feodor. a great artist.

Switches to Italian

(Action-Comedy in Color) Swashbuckling, mio core," by Giacomo Carissi- ception was held in the East mi, followed by "I Due Tarli" Wing of the chapel, attended by g, leaps from milady's balcony, etc. Sort ocrots and gives to the poor and lets Zandonai, and "La Calunnia," Bewley was reception chairman. DEC. 27-28 by Rossini.

tion of Leporello, servant of the tured.

"Deh vieni alla finestra," and

nigin" (Thou art truly my school senior, who played the

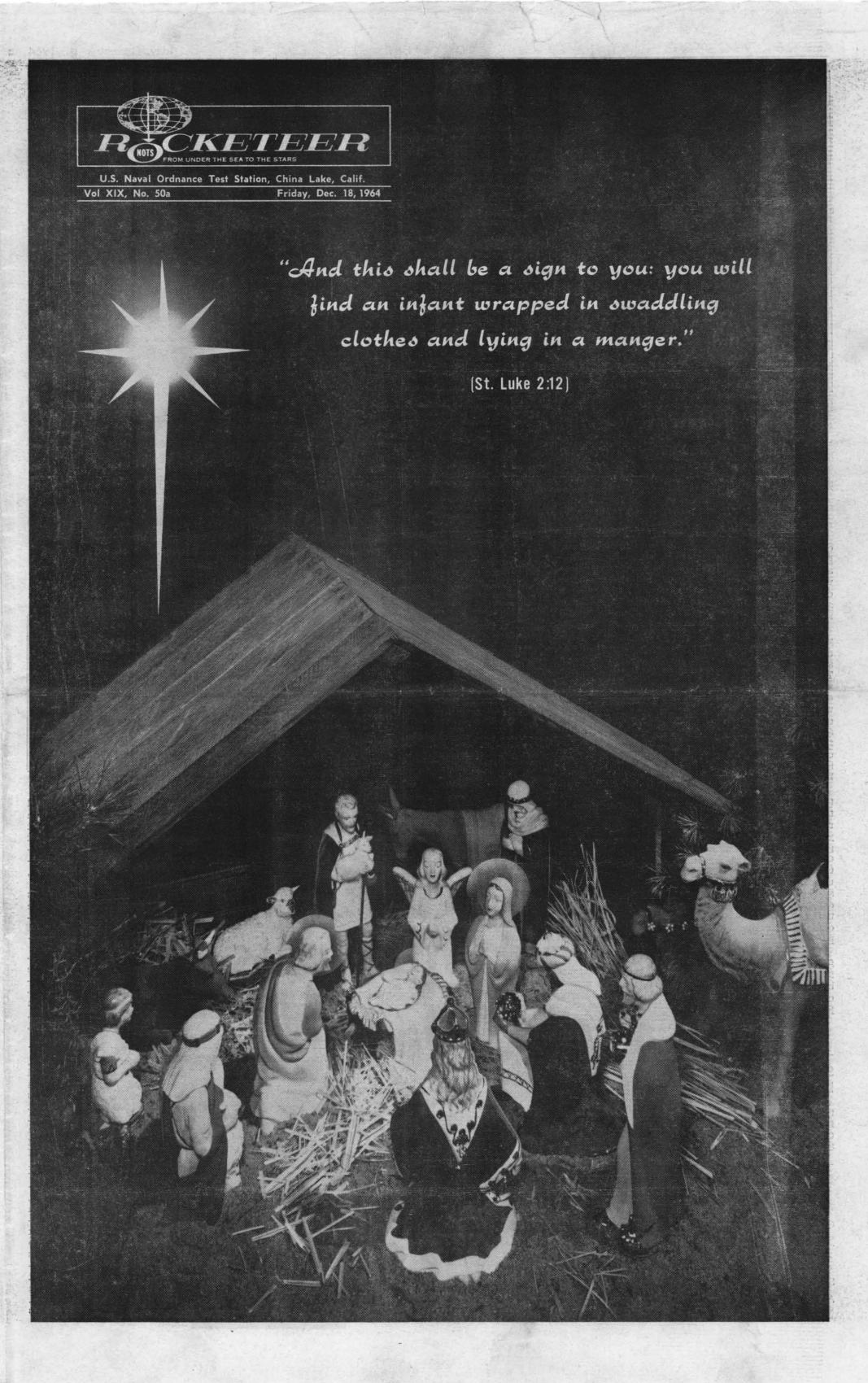
ence felt the thrill of hearing James MacInnes substituted for Alexander Alexav as accompanist, and played four Chopin His third group of convention- selections, which were received al numbers was sung in Italian, enthusiastically by the audience.

opening with "Vittoria, vittoria Following the concert, a refrom "The Barber of Seville," Mrs. Roger C. Wickenden was concert manager for the China Characterizations Outstanding Lake Civic Concert Association, The second half of the con- sponsors of the event. The next (Drama) Exiled loyalist leaves France for cert, as has been his custom dur- concert in the series will take oin to visit his dying mother despite knowl ing the past two years, featured place at the Station Theater edge that his old enemy has set a trop of the hospital. Men of opposing ideals come to the hospital. Men of opposing ideals come to final grips in an exciting climax filmed "Madamina" in a characterization of Laparella company of the control o



DRONE OPERATIONS will be a featured part of Walter Cronkite news show scheduled tentatively for next Tuesday evening, Dec. 22. Here to announce China Lake portion of network broadcast was ace newsman Bill Stout and crew.

TO	From		PLACE STAMP HERE
entrar transfer and the facility was not have	то		
The state of the s	NEL 25 PER	A TEMPORAL MADE	olen in state for tea



SUPPLY DEPARTMENT small fry were included in Station Christmas parties. Youngsters on Santa's lap are Jimmy Lara and Debbie Stokes.

Christmas Parties



PROPULSION DEVELOPMENT Department personnel joined the gaiety with gala dinner-dance at Community Center.



NAVY EXCHANGE Child Care Center's Elaine Darnell (far left) and Lt. Earl Mouton, NX Officer (far right) were hosts during Christmas party at Center to Mrs. Floyd Reck, Mrs. John I. Hardy, Capt. Leon Grabowsky, Station XO, and Senior Chaplain Odell. Gifts came from Navy Relief funds earmarked for "local" use.



CPO CLUB feted small fry at party that included Santa Claus visit.

PERSONNEL DEPARTMENT'S Yule feast at Community Center included buffet dinner-dance. BELOW: At the CPO Military Ball, Mr. and Mrs. Frank Bronnenkant were feted by some 400 military personnel and guests while dancing Anniversary Waltz in observance of 54th wedding anniversary.



WEAPONS DEVELOPMENT CHRISTMAS party helped set



FRUIT COCKTAIL

CREAM OF TOMATO SOUP

SALTINES
ROAST YOUNG TURKEY ROAST BEEF AU JUS
GIBLET GRAVY
NATURAL GRAVY

CRANBERRY SAUCE
SCALLOPED SWEET POTATOES WITH APPLES
SNOWFLAKE POTATOES BUTTERED PEAS
OYSTER DRESSING MASHED CARROTS

SALAD BAR ASSORTED OLIVES
HOT PARKER HOUSE ROLLS ASSORTED BREADS
COFFEE TEA MILK
HOT MINCE PIE FRUIT CAKE

HOT MINCE PIE
ICE CREAM
MIXED CANDIES

MIXED NUTS





IWV NAVY LEAGUERS donated gifts to Station military personnel dependents, turning Yule packages over to Chaplain and Mrs. Odell (center). Bill Puckett, president of local council (left) was assisted by Dr. James W. Hemry.

Congregations Honor Chaplain Costa at Chapel Receptions



DEPARTING CHAPLAIN COSTA (second from left) gets "best wishes" for new duties from Protestant congregation following Devine Services last Sunday. (From left) Senior Chaplain Robert W. Odell; Chaplain Costa; The Rev. James Carter, formerly attached to NOTS who was here as a guest pastor; Capt. John I. Hardy, ComNOTS, and Dr. Wm. B. McLean, NOTS Technical Director. Father Costa will report to USS America.

ROCKETEER

Desert Natural History Class Starts Jan. 8

A course in Desert Natural History, conducted by UCLA the past seven years, with Lloyd Brubaker as teacher, again will be offered with the desert as a classroom for most of the ses-

The first class will meet on Friday, Jan. 8, in Room 17 of Murray School. Enrollment is limited to 30, and applicants should call the UCLA office, or Brubaker at 77133.

Emphasizing biological aspects of the desert, the course will include seven field trips, three of them weekend camp outings.

On opening date the class will set dates for subsequent meetings. Class members may bring their families on field trips. Two units of credit are given for successful completion essional teacher education class. Enrollment fee will be \$30.



Division Officer is LCDR Donald J. Bunker. Prior to assignment here he was BuWeps representative at Lockheed computer programming." Aircraft Corp. in Burbank. LCDR Bunker, his wife Phyllis and children Kenneth 10; James, 7, and Sharon, 5, reside at 309 Blueridge Road,

FAREWELL GIFT, a gold ciborium, brings expression of amazement to face of Chaplain Costa. Gift was extended by Catholic congregation at reception Sunday afternoon.

Fond Farewell



-Photo by Jack Broward SMALL FRY members of Catholic community, Barbara Winters, 5, and Frank Timmes, 5, extended gift to chaplain and got in return this loving hug from their "Father Costa."

of the course, which is a prof- Middleton in U.S. Title Bid...

China Lake community at the can be duplicated by others. Bakersfield meeting, in addition harias, an associate of Middle- throughout the country.

officials engaged in employment for their "patient love and en- through my work." of the handicapped, who had couragement during my early come from points throughout youth. To them, I was never anythe state, Capt. Grabowsky thing less than a healthy son, Off-Campus Grad pointed to the "inspirational ex- whose future and welfare in soample" Middleton established at ciety would be a result of a nor- Students Tour China Lake and told of the mal home life and education. voung man's work at NOTS.

"He's Only Blind" know Mr. Middleton best do not ment to me. And, of course, my mative and enjoyable day on the face. agree that he is handicapped. wife, Donetta." They say he's 'only blind,' " Capt. Grabowsky remarked.

the Kern County Committee for employee, Middleton will receive employment of the handicapped his award from President John-Dean L. M. K. Boelter and Associety elected Curt Chaffin and program chairman for the son in Washington early next sistant Dean R. R. O'Neill, a gen-president at their December meeting, added his praise to the year. SUPPLY DEPT.'s new Control demonstrated so effectively," age me to project my convic- Today, NOTS instructors and hon, treasurer. neer a new field of potential serve society as well as their nance Sciences members will will be a special dinner honoremployment for the blind in fellow men.

texts into braille. His progress handicapped people are not lations officer. 6 p.m., Tuesday, Jan. 5.

(Continued from Page 3) and effectiveness, he believes, really different after all." Wants to 'Contribute'

UCLA; Hosts Here

29 in Nation Beyond the horizons of next to Mrs. Middleton, were Captain | Presently there are 29 blind year, Ralph is totally certain of | The Navy may receive an un-Leon Grabowsky, Station Execu- mathematicians professionally only one thing: tive Officer, and Jerome L. Za- engaged in scientific industries "I love my work here at NOTS, tional Aeronautics and Space

Addressing the audience of this week praised his parents equal contribution to the future ports.

"I have also to thank my kind

noting that he had helped "pio- tions that blind persons can Education Committee for Ord- The society's next meeting

"I want very much to get the Prof. Van Vorst brings to the ident, who will leave China Lake Middleton had twice this year simple message across to audi-station Prof. N. W. Rees, Mrs. to work on an advanced degree addressed national groups on ences at all levels of our soci- Bernice Park, assistant head of in astronomy at the State Unihis experiences in translating ety, that the blind want to earn Engineering Extension, and Mr. versity of Iowa. The meeting will standard computer programming their independence . . . that Tom Tugend, UCLA public re- be at the Station Restaurant at

Navy May 'Rescue' Gemini Capsules From Under Sea

derwater role to play in the Na-I'm completely fascinated by the Administration's multi - million ton in the Data Computation | Reflecting on the significance function I serve in science to- dollar Gemini manned spaceof his latest award, Middleton day and believe I can make an craft program, Hydrogram re-

Minesweepers are under evaluation currently for use as rescue craft when the manned missions abort during boost phase. The Navy believes the astronauts can remain inside the capsule if it dives into relatively shallow water. Minesweepers friends and associates who have Off-campus graduate students and frogmen can raise the cap-"Those who work with and offered continuing encourage and instructors spent an infor- sule - and crew - to the sur-UCLA campus on Tuesday, Dec.

What Next, 15. The program, which was ar-If selected by the President's ranged by Prof. Wm. D. Van Howard Roland, chairman of most outstanding handicapped Vorst, included a campus tour, To Honor Keith Honey

eral discussion session with fac- meeting. Carroll Evans was "outstanding example of rehabilitation Ralph Middleton has "If anything, it'll only encourbilitation Ralph Middleton has "If anything it'll only encourbilitation Ralph Middleton R

return the hospitality when ing Keith Honey, out-going pres-



NOTS-PA Tests MK-46

land, Canada.

Personnel Trained

At Morris Dam, in the San discs. Shorn of its propellers, Prime trees are featured. modes was simulated. A giant way, its performance at operato 3 p.m. on Saturaay. slingshot and a launching tube tional depth was studied. built on the side of a steep hill Still more Torpedo MK 46 subjected the torpedo to the trials took place in an undertremendous pounding it must water shooting gallery in Puget withstand when entering water Sound and off Vancouver Is-

Like a rock in a slingshot On a three-dimensional torpepocket, the torpedo was placed do tracking range, it was testin the center of a rubber bun- ed against synthetic targets. The gee cord then pulled up until range was highly instrumented the cord was stretched tight. with accurate hydrophone ar-Release was tripped and the rays that could quickly locate cord hurled the torpedo down- the torpedo and a moving tarward into the deep reservoir, get by triangulation. This sysslamming it into the water at tem determined the course, high speeds and at entry angles speed, and depth, and presentof 50 to 90 degrees. Its delicate ed the various turning maneucomponents had to function per- vers of the target and torpedo fectly after this bone-jarring im- on a plotting board for the test

The hillside tube, called a Variable Angle Launcher, using compressed air, subjected the and Evaluation Force) personnel torpedo to similar punishment have been trained to carry out at shallower angles — 10 to 35 their task of preparing and degrees. The tube shots simul- launching the torpedo by all ated high speed water entry at modes — rocket assist, aircraft, flat angles.

On the desert sands at China against both live submarines and Lake — headquarters of NOTS simulated targets. - a special car equipped with an ASROC launcher and a dum- During the trials off Long my torpedo traveled a short Beach, Seal Beach, San Clementrack leading to nowhere.

Under full throttle, it rumbled and at China Lake, torpedoes down the track. The wind whip- were launched by both high ping across the car deck simul- and low speed aircraft, by ASated conditions that would be ROC, and by shipboard torpedo experienced at sea by a destroy- tubes. er in full pursuit of an enemy | These tests led to the waters

At top speed, ASROC was fir- pedo is receiving final sea trials ed. Its flight and sand impact before graduating into fleet were carefully recorded by ra- service. dar and cameras. These data Live runs against submarines were then used to compute the were made at a Long Beach sea trajectory and compile ballistic range. With an exercise head on tables for shipboard use.

Tested in Ocean Farther westward, off the coast course, this game came closest of Long Beach, a steel cage to being the real thing, before tested the torpedo in its natural actual fleet trials.

Boy Scouts Sell Prime Yule Trees on Station

(Continued from Page 3) | habitat. Hanging down deep in | Final week of Christmas tree the technical direction of NOTS the ocean over the side of a sales behind the Malt Shop on

Torpedo MK 46 Mod 0 Facts

Name: Torpedo Mk 46 Mod 0.

Description: Solid rocket propellant driven, high speed, deep running, passive/active acoustic homing torpedo.

Purpose: To seek, acquire and destroy modern conventional and nuclear submarines.

Approximate Weapon Dimensions: Length - 101 inches, diameter — 1234 inches.

Weapon Weight: Approximately 570 pounds.

Major Weapon Parts: Guidance and control system, explosive system, propulsion system and accessory system furnishing electrical and hydraulic power.

Method of Operation: Torpedo is launched from a torpedo tube on a surface craft, from ASROC, from helicopters, or fixed wing aircraft based on fire control information from launching craft. Upon water entry, the torpedo propulsion system is activated by means of a sea water battery and the torpedo commences a power dive to a pre-set initial search depth. The torpedo begins searching for the target following a programmed searhc pattern, either in an active snake mode or passive active circle search mode. Upon locating a target, the torpedo commences attack and pursuit program, until it closes with and destroys the target. If the target should be lost during pursuit, the torpedo commences a re-attack program to relocate the target. The attack search continues until either the target is destroyed or fuel is exhausted.

Developed for BuWeps by: NOTS, Pasadena — Technical Direction; Aerojet-General Corporation, Azusa - Prime Contrac-

Principal Subcontractors: Bendix Corporation - guidance and control; Clevite Corporation - hot gas swash plate engine.

New ASW Joins U.S. Arsenal

(Continued from Page 3) rine rocket).

Replaceable Sections

Navy tug, the caged Torpedo Station begins today. The proj- major components and incorpo- body section con ains the pro-Sites of the tests included MK 46 was suspended by special springs and its propellers with Troop 41, sponsored by the it possible to replace one or A fixed-price incentive contracts and the cial springs and its propellers with Troop 41, sponsored by the it possible to replace one or A fixed-price incentive contracts and the cial springs and its propellers with Troop 41, sponsored by the it possible to replace one or A fixed-price incentive contracts. were replaced with circular drag Community Church, in charge, more complete sections if re- trast for nearly \$40 million was Gabriel Mountains, the water en- the torpedo stood still while Sales hours are 4:30 to 7:30 nents are: guidance and control Corporation last August for the try of the various launching "running at full speed." In this p.m. on weekdays, and 9 a.m. system; explosive system; pro- Mark 46 and associated equip

ing launched by fixed wing air- The forebody contains the craft at speeds up to 400 knots. guidance package consisting of t can also be delivered to an a transducer, a transmitter and attack area by helicopters or receiver, a control group with surface ships. Surface ship de- power supply, a computer, and livery may be accomplished by an auto pilot. The electronics torpedo tube, drone helicopters packages are separated by ef-(DASH), or ASROC (antisubma- ther war or practice head. The id propellant-actuated gas pres The Mark 46 consists of four sure generator, and the after

quired. The four major compo- awarded to Aerojet General



A DRONE HELICOPTER carries the Mark ing and killing today's modern conventional 46 during test operation off Long Beach. The and nuclear submarines. NOTS Pasadena was new weapon is capable of hunting, overtak- program's technical development director.

PROMOTIONAL

OPPORTUNITIES

Safe Driving

Vital Factor to

Happy Holiday

High in popularity since World War II days is the song: "I'll

Be Home for Christmas-." To insure the happy holiday senti-

ment implied in the song,

COMEleven has issued a direc-

tive to commanding officers,

urging "thorough indoctrination

of all personnel in safe driving

"Counsel personnel traveling

by automobile," the directive

said, "to do their driving during

daylight hours, pointing out the

dangers inherent in driving at

high rates of speed for extend-

ed periods without sufficient

rest, and of driving at night, es-

pecially when icing may occur

"Special consideration should

be given to length of travel in

relation to the number of days

for which leave is granted. Per-

sonnel in a known risk category

should be given special atten-

The Auto Industries Highway

HAVE YOUR CAR CHECKED

-Brakes, tires, lights, steering,

GIVE YOURSELF A BREAK

-Whether going downtown or

Safety Committee lists six tips

for happy holiday driving:

procedures.'

on highways.

CHAPLAIN'S MESSAGE

The Christmas Season



By CHAPLAIN MARK E. FITE

Christmas is a time of rejoicing and happiness. It is the time when we commemorate the birth of Jesus, the Son of God. It is a good thing to be reminded of this, or the occasion will

It is altogether proper that we enjoy this happy season, and we have the best reason for doing so. It is commendable to know of some departments as well as individuals on our station who both last year and this are giving to help children in other lands, thereby enjoying the truth expressed in the statement, " . . . It is more blessed to give than to receive."

When we honor someone, we try to do so in a way that is in keeping with that person's character and ideals. . To remember the one whose birthday we celebrate at this Christmas Season, should determine the method of our celebration. Let all our actions whether on the highway traveling; at home with family; or visiting friends be tempered with the desire to further "peace on earth to men of good will."

Schedule of Christmas Services

PROTESTANT:

Sunday, December 20:

8:30 a.m.—Early Christmas Sunday Service

9:30 a.m.-Sunday School and Adult Bible Class

11:00 a.m.—Later Christmas Sunday Service 7:00 p.m.—Annual Children's Christmas Pageant and Family Fellowship Hour

Christmas Eve, December 24:

7:00 p.m.—Beautiful Candlelight and Choral Service

December 27th — 1st Sunday after Christmas:

8:30 and 11 a.m.—Divine Services, College Student Recognition Day

CATHOLIC:

December 19:

8:00 a.m.—Confessions

8:30 a.m.-Mass 6:00 p.m. to 8:30 p.m.-Confessions

December 20:

7:00 a.m.-Mass

9:30 a.m.—CYO Corporate Communion 5:30 p.m.-Mass

December 23—(Fast and Abstinence for All) 4:00 p.m. to 6:00 p.m.-Confessions

7:30 p.m. to 9:00 p.m.—Confessions

December 24:

10:00 a.m. to 12:00 Noon-Confessions

3:00 p.m. to 6:00 p.m.—Confessions

11:30 p.m.—Singing of Christmas Carols by Congregation

Midnight - Solemn procession to Crib with Infant and Solemn High Mass sung by Congregation

and Choir Nursery care service available for all Masses, including midnight. All are invited to attend a reception in the East Wing that will follow Midnight Mass. Let's all ex-

change Christmas greetings and enjoy a little tradi-

Christmas Day-All Faith Chapel

tional Christmas cheer

Masses — 5, 6, 7, 8, 9, 10, 11 a.m., 12:00 Noon

'Humanized' for Buried in Capsule At Cape Kennedy

The regulations will say that

acting general counsel, L. Nie- som. derlehner, said such items as The monument stands on a Deadline for filing is January 4, 1965. calendars and appointment bronze platform on which is a books may be accepted by debooks may be accep fense contractors. he astronauts.

Secretary (Typing), GS-318-4, Code 4004-

naterial required. Receives office and telescribes correspondence, memoranda, and ports involving administrative matters as well as a variety of highly specialized technical rminology. Also transcribes from free-and rough drafts, and occasionally from a dictating machine. Performs other clerical duties typical of this type of position. Quali-

File application with Louana Schneider, Room 26, Personnel Building. Phone 71648. Property Disposal Officer, GS-10, PD 425019, Code 2597—As Head of the Disposal Branch, Material Division, Supply Department, is responsible for the planning and adm tive direction of Branch's operations. Branch receives excess and surplus property party and salvage material; identifies, spects, codes for condition, segregates ores this material; prepares reports, mo tains accounting records; issues, transfers ates material; accomplishes sales of various types; and delivers material to buyers

Qualification Requirements: Three years ing, property control, or cataloging; plus two and one-half years' experience in examclassification and segregation of or other disposal of excess material.

File for above with Pat Dettling, Rm. 28, Pers. Bldg. Phone 72218.

Clerk-DMT, GS-316-4, PD 112014 Amil, Code the Behavioral Sciences Group Incumbe of group by: transcribing from the dictating nachine letters, papers, speeches, memos contracts, etc., in the fields of administra-tion, psychology, and other behavioral sci-ences. Required Experience: 2 years of progressively responsible general office clerical experience which included as a significant part the performance of dictating machine anscribing duties

Clerk-Stenographer, GS-312-5, PD 001004, Code 01—Position is located in the Technical Directors Office. Duties include clerical sistance to Scientific Advisor to Techn Director, Secretary to NOTS Advisory Board, and assistance to Technical Director as necessary. Acts as secretary to Technical Director in absence of Administrative Assistant. Required Experience: 2 years of progressively ence which included as a significant part the performance of stenographic duties.

Budget Analyst, GS-560-12, PD 417008, Code 1731—Under generalized supervision of Head, Operations Branch, Budget Division, as a senior generalist journeyman analy for providing: complete staff support to one or more of Station's most complex departments, depth studies for special projects, etc. Required Experience: 3 years general experience for which applicant gained general knowledge of management principles and practices. Plus 3 years spec. exper. (1 year t GS-11 level) must have involved respon

Illustrator (Technical Equipment), GS-1020-, PD 075022 Aml, Code 7512-Chief duty cumbent is to relieve Branch Head of field of animation. He must perform as a top. lishing Division, Graphic Arts Branch, Technical Info. Dept. Required Experience: 6

The point is this regardless. script conferences; etc. Position is in Pub-wing involved in graphic presentation of objects, facts, etc. Experience should also Illustrate a wide variety of art work, etc.

1 year at GS-9 level required.)

File for above with Janet Thomas, Bldg. 34, Rm. 26, phone 71577. Dead.ine for application December 24.

Competitive Exam: A competitive pretional examination for Leadingman (Electri-cian) is announced by the U.S. Naval Ord-nance Laboratory, Corona, Calif. Application

NAVY OVERSEAS VACANCIES Instrument Mechanic (Electrical), Guam.

Machanica. Engineering Technician, GS-11,

CUBA VACANCIES

Leadingman Machinist, Leadingman Laborer

(Heavy), Leadingman Painter.

DESERT PHILOSOPHER'

Soliloguy On Solitude



A visitor from Austria wrote a letter to the Ann Landers syndicated column of November 24 - to tell of her impressions of America accumulated during the six months she had

Her letter brought to mind a column I've been intending to write about noise and silence. You are familiar with the word claustrophobia and open-space phobia. Some people have a silence phobia. Silence makes them nervous. More about that

Now I quote in part from the visitor's letter to Ann Land-

"Your country is indeed the most prosperous in the world. The spaciousness of America is overwhelming, the beauty awe-

"But, Miss Landers, something is wrong with the people. They are friendly and helpful, but they appear to be unhappy. In America there is much pleasure but no joy," the letter writer continues. "Americans seem always to surround themselves with so much noise. They are afraid of quiet - afraid to think." End of quote.

A DEVICE TO ESCAPE FROM THINKING

My opinion is that the above observations appeal mostly to city dwellers . Noise is a device to escape from thinking. The reason they can't stand their own thoughts is that they have lost acquaintance with themselves.

I've been urging people to seek quiet privacy, from time to time - preferably, the silent solitude of the desert - to get their thoughts reorganized and reoriented.

All the great thinkers have followed this practice, as a necessity for progress. The great scientist Pithagoras, and Aristotle, a great philosopher as well as scientist who taught Alexander the Great, and Plato, to mention a few. MUSIC - OR AN ATHLETIC CONTEST?

And at that time there was much less noise and confusion than there is now - where every bar has a blaring juke box where every small orchestra or band does not play music but performs an athletic contest to see which so-called musician can make the most noise - cornet - trombone - bass drums or electric guitar.

Now here is my punch line. I have been urging people to seek the sweet silent solitude of the desert - but what I failed to mention is that not everyone can stand solitude -

Noise has its place on occasion to liven things up a bit. But if you have become a noise addict over a long period silence may make you nervous. Over a long period noise works like a narcotic. Such people should get accustomed to silence by degrees. It's like breaking away from dope. But it's worth the effort. Stick it out and one day you may discover a new self — and open up a new world of enjoyment and spiritual growth — a oneness with nature — a contact with the cosmos.

NOISE ADDICTS JUST GABBLE I'm urging you to try to get acquainted with yourself; you

are probably a much more interesting person than you realized. When noise addicts first venture out into the solitude of the desert for the lack of artificial noise—they gabble about nothing. They don't say anything-just gabble-to avoid

thinking or observing the beauty of nature. They tend to become vocal breathers-if they stopped talking trivia they would suffocate. But when they get over that period-they begin to find new life. They are then not afraid to think—they enjoy thinking.

The Bible says-"Love thy God and thy neighbors as ive and analytical responsibility in the thyself." "Love thyself"—(not to be confused with narcissism). Know thyself the philosophers say-you can't really love yourmimation specialist with a thorough bock-ground in the effective use of graphic sym-

As a matter of fact you can't love anyone else, truly, until

The point is this-regardless of your religion-this is the time of year-to seek a quiet place, alone-and meditate and get re-acquainted with yourself and get your thoughts re-orimonstrate ability to design, layout, and ented, and have a new appreciation of a new personality-No Rocketeer for the next two weeks.

Merry Christmas.

The Rocketeer Official Weekly Publication

U S Naval Ordnance Test Station China Lake, California

Copt John I Hardy, USN "J." Bibby

Jock G Broward Richard Grueneber

Staff Writers **Budd Gott** Gene Steck Frederick L. Richards Special Assignments

DEADLINES Tues . 11:30 a m

service material Att are official U.S. Navy



Morning Service-11 a.m. Sunday School-11 a.m. Protestant-(All Faith Chapel)

Morning Worship-8:30 and 11 a.m.

Roman Catholic (All Faith Chapel)o a.m. Monday through Friday, 8:30 a.m.

Confessions-8 to 8:25 a.m., 6 to 8:30 p.m. Saturday, Thursday before First Friday, 4 to 5:30 p.m.

Chapel -8 p.m every first and third

Deadline Jan. 15 For White House Fellows Program

Friday, December 18, 1964

According to information received from the Personnel Department, application deadline for President Johnson's new White House Fellows program will be Jan. 15, 1965.

This will give applicants an extra month to prepare bids for appointment. Details of the program were reported in the Dec. 11 issue of The Rocketeer, when the deadline was announced as Dec. 15.

It was also learned this week that applications are not available at the NOTS Employee Development Division. Applicants must write to Mrs. Elois Wade, Administrative Secretary, Commission on White House Fellows, The White House, Washington, D.C. 20500.

FIRST ROCKETS

on Nov. 30, four days after its 17th anniversary.

more than \$1 million in divi- bookkeeper.

for the period ended June 30, committee members. On the

bership meeting will be held dent; Evelyn See, secretary; R.

Monday, Jan. 4, in the Commu- C. Holloway, treasurer; W. R.

The credit union was awarded Creery, director. Credit Commit-

a Thrift Honor Roll Certificate tee members are Raymond B.

by the Bureau of Federal Cred- Becker, chairman; Robert C. Mc-

it Unions for outstanding thrift Clarry, secretary; GySgt John

promotion. An increase in mem- Coryell, USMC; Robert McKen-

ber shares of more than 20 per- zie, Clyde Burum and Ted Bates,

12-month peritd between bureau | The combined efforts of the

Manager Ken Martin credits members are reflected in the

the outstanding growth of the following comparative financial

local credit union to the hard- and statistical figures for the

cent was recorded during the supervisory committee.

working staff including Evelyn years shown at right.

dends on their share accounts

since the first dividend payment

made in 1949. The dividend rate

The annual credit union mem-

Rockets used in warfare were first developed by Congreve of Great Britain about 1800.

million dollar mark.

sets over \$5,000,000.

1964, was 5.4 percent.

nity Center, at 7:30 p.m.



ASSOCIATE TECHNICAL DIRECTOR H. G. "Hack" Wilson reaches a major milestone in his government career as he is presented his 20-year Federal Service pin by Dr. Wm. B.

McLean, Technical Director. Watching approvingly is Capt. John I. Hardy, ComNOTS, at ceremony last Monday. Wilson came to China Lake in 1950.

Credit Union Assets VA Mailing Out GI Insurance Dividends: \$224.5 Million

Now Over 55 Million

milestone, statistics prove that Dionne Leslie, local clerk; Lou-With payment of the dividend Roehrs, counselor-clerk; Barbara may be eligible to buy up to nies.

unknown number of veterans help prevent injuries, save lives.

President Johnson this week ed by the new law. In addition,

directed a speed-up of GI insur- an unknown number, eligible exhaust, glass, windshield wip-NOTS Federal Credit Union got a belated birthday "gift" ance dividend payments total- for a service-connected rating, ers and washers, rear-view miring \$224.5 million. Checks will but who have not applied for ror, horn. Make sure they're all On that date the Credit Union's total assets passed the \$5 start arriving Jan. 1, and mail- one, may be added to the list. in safety shape all the time. ings are expected to be com- VA officials said that another USE SEAT BELTS - They To show that this is a major Hulin, office manager; Charles pleted by Jan. 15.

Credit Union will have received operator, and Virginia Liddle,

The dividend payments are whose disabilities are not serv- Seconds will buckle a belt; an of the 10,955 Federal Credit ise Sopke, secretary; Lillian Adhandled by the Veterans Adminice-connected, also may be able instant will release it. Safeguard Unions operating as of Dec. 31, amson, counselor - receptionist; istration, which also announced to take advantage of the re- your family — use seat belts 1963, only 60 of them had as- Jim Lloyd, IBM programmer; that three million veterans with opening if they cannot obtain whenever and wherever you Carole Poppen, collections; Lee service - connected disabilities insurance from private compadrive or ride.

for the current accounting period from members of NOTS Federal cn, teller; Lou Beyer, teller-IBM since coverage.

Veterans will have one year from May 1, 1965 to May 2, The VA has completed a pre- 1966 to apply. Further informaliminary estimate as to how tion may be obtained from any many veterans might be affect- VA regional office.

Credit Union Statistics

many was to restrict	1959	1963	1964
ASSETS:	(5 years ago)	(1 year ago)	(Current
Loans Outstanding	\$1,315,222.05	\$2,743,804.11	\$3,323,28
Cash on Hand	50,771.77	174,811.05	215,49
Investments	485,202.00	1,100,000.00	1,280,00
Other Assets	10,076.16	206,914.74	205,26
Total Assets	\$1,861,271.98	\$4,225,529.90	\$5,024,04
LIABILITIES:			
Share Accounts	\$1,736,020.00	\$3,847,562.87	\$4,689,82
Reserves	34,036.27	34,839.42	33,52
Undivided Earnings	42,757.02	203,179.52	*100,33
Other Liabilities	48,458.69	139,948.09	200,36
Total Liabilities	\$1,861,271.98	\$4,225,529.90	\$5,024,04
NUMBER OF MEMB		4,754	5
*Period: 1 July	thru 30 Nov	ember, 1964.	Semi-ann

dividends paid for 1st time as of 30 June 1964.

on a trip, allow enough time so you won't feel rushed. On long trips take frequent breaks. Arrive relaxed. BE ALERT TO HAZARDS -Adjust your driving to road,

traffic and weather conditions. Remember, posted speed limits are for normal driving conditions. t Yr.) 280.24 ADOPT GOOD DRIVING

96.86 HABITS - Merge smoothly into 00.00 traffic . . . keep pace with oth-63.19 er cars . . . signal well in ad-40.29 vance of your exit or change of USE COURTESY ABUND-

36.10 ANTLY - Everywhere - at in-61.84 tersections, when turning, while 40.29 passing or being passed, at night 5,211 when your headlights are on nual high beam — "Make Courtesy Your Code of the Road." It pays!



Plaudits also go to the volun-

teer board of directors and

board are H. H. Wair, president;

William P. Koontz, vice presi-

Hitt, director, Capt. B. G. Mc-

staff, directors and committee

REPRESENTATIVES of the U.S. Naval Policy Board and Interlab Committee on Personnel Administration got a good look at the Gemini

space capsule last Thursday while touring the Station. Capsule was poised on SNORT for test, which took place the next day.



THREE ASTRONAUTS, LCdr. James Lovell, LCdr. Allan Bean and Air Force Major Frank Borman (I-r) were very interested spectators at Friday's Gemini seat-ejection test run on the NOTS Supersonic Naval Ordnance Track (SNORT).

Gratuities Ban | Astronaut Story Nominal Items

military men and defense em- Mercury and its seven astro- 1964. Additional information on file at Perployees from defense contrac- nauts. tors will be a little more human It contains the history, report

exceptions to the gift ban will be allowed when the gift is from of the monument stands for the playment Office (Pacific), Federal Office a personal friend or relative of the monument stands for the seven Mercury astronauts — Al- Building, 50 Fulton St., San Francisco, Calif. and when the gift-giving is mo- an B. Shepard, John H. Glenn, 94102. tivated by friendship rather Gordon Cooper, Scott Carpenter Guarterman (Utilities), Bermuda. Deadline ter, Donald K. Slayton, Walter for filing is December 28, 1964. The Defense Department's M. Schirra and Virgil I. Gris-

A time capsule, to be opened Service regulations banning in 500 years, has been buried beneath a monument at Cape the acceptance of gratuities by Kennedy, Fla., honoring Project Kennedy, Fla., honoring Project

in their approach, officials pre- pictures, tapes and films of the project so that future genera- Philippines. tions may know how man took Budget and Accounting Officer, GS-11, his first steps into space.

The number "7" in the center

quarters, Potomac River Naval Command, Jthice at 56 King St. Blidg 30929 Phones-Washington, D.C. 20390.

Christian Science (Chapei Annex)

Sunday School-9:30 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located op-

Holy Mass-7, 9:30 a.m., and 5:30 p.m.

NOTS Jewish Services (East Wing All Faith

Dorms 7 and 8

Robert A. Blaise Leaving, To Join **Analyses Center**



ROBERT A. BLAISE

Robert A. Blaise, here since 1951 and assistant head of the Propulsion Development Department for the past three years, leaves the Station Monday, Dec. about the weather?

with the Center for Naval Anal-neutralizing hurricanes, and a ruption. yses of the Franklin Institute in NOTS - originated method of

Blaise will join the Center's Airlines' representatives told well, a former NOTS employee, with a measure of success by atoms and siting a liquid stage, Research, Inc., Altadena; Wilnow technical director of the using dry ice.

1954 to 1958.

CNO, and the Marine Corps with vital information for high level

To Continue Analyses

analyses that he has been pur- by Dr. Paul B. McCready, Jr., of the cancellant would continue the studies and physics of clouds were destribed analyses that he has been pur- by Dr. Paul B. McCready, Jr., of the cancellant would be the cancellant suing the past two years here Meteorology Research, Inc., Alta- the capsule for the assembled Weather Consultants, of Goleta, on future Navy sea-based deter- dena, who told of experiments researchers. rent systems as well as Naval being conducted at Flagstaff, Basically a pyrotechnic device, Municipal Airport.

ballistic missile research in Navy It is not hard to envision Far- Although researchers found John Chisholm, and C. K. Stidd,

He received a superior accomplishment award last year for his work in this area.

Blaise has served on three of the Ad Hoc Group's four subpanels. He chairmanned the Missile Panel and was a member of Systems Panel and the Anti-ASW Panel.

In addition, he was also the NOTS representative to the Navy Advanced Ballistic Re-Entry Systems (ABRES) Panel.

Prior to being named assistant head of PDD, Blaise was technical assistant to the Station's Associate Technical Director, H. G. Wilson, for two and one-half years.

A University of New Mexico engineering graduate, Blaise came to the Test Department in 1951 following five years as a field engineer for the Electro-Motive Division of the General Motors Corp.

Highlight of his association with the Sidewinder program came when the new-born missile sent an F6F drone down in flames over the G-Ranges on Sept. 11, 1953.

Rain, Fog, Lightning Control Topics of Weather Meet Here

Researchers at **NOTS Witness** 'Cloud Missile'

There's an old saying that Everybody talks about the weather - but no one does anything about it."

You can throw that one out with "It'll never replace the horse," and "It'll never get off

Over at Dr. Pierre St. Amand's Earth and Planetary Sciences building — and more than a dozen other installations and industrial plants in the west -'they're doing something about

Group Meets at NOTS

With permission from COM-NOTS Capt. John I. Hardy, the Weather Control Research Association held its semi-annual meeting at China Lake last week. The two-day sessions were coordinated by Commander Paul T. Jorgensen. Twenty-four visitors were on station for the

seeding clouds to bring rain.

Research Group. He will be as- of dispelling fog over airports. sociated with Dr. Frank Both- This has been accomplished

The Forestry Service told of pons Planning Group here from working for years on lightning suppression — highly desirable The Center furnishes SecNay, in the elimination of forest fires. Study Cloud Physics



SCIENTIFIC RAINMAKER-Ground to cloud silver iodide seeding is demonstrated by Edwin X. Berry, of University of Nevada, who

triggered modified submarine signal rocket. provided for experiment by NOTS, in which silver iodide capsule replaced signal flare.

cartridge into the friendly cloud thought its merits over the con-And just what's being done over the back forty — and the ventional method of simply disirate building contractor on the pensing silver iodide "subject to heed, Burbank; Thomas R. Ba-NOTS scientists told of prev- adjoining tract construction su- argument." He has accepted a position iously reported experiments in ing him for costly work inter-

Signal Rocket Used

stration, NOTS provided a Several Reports Heard Hail suppression came in for ground-to-cloud "missile" — us- Reports also were heard from

Ariz.

Edward A. Morris, president sule into the air and sprayed it were: Charles J. Dommes, and For Three Here

mer John firing a silver iodide this approach interesting, some University of Nevada.

that the effectiveness of seed- Walser and Keith Brown, North Consensus at the meeting was ing clouds with the iodide de- American Weather Consultants, that legislation - when it comes pended largely on temperature. Goleta; Clement J. Todd, Dr. should be on a federal level, "Cold clouds" - with tempera- Harner Selvidge, Tom Mee and transcending local jurisdictions, tures at or below freezing, but Allen Weinstein, Meteorology ators and citizens alike, without brought desirable results. The liam A. Lang, Southern Califorbeing unduly restrictive or pu-silver iodide is not effective in nia Edison Co., Los Angeles;

its share of discussion. Means ing a modification of a subma- Thomas J. Henderson of Atmosand methods of measuring vari- rine signal rocket, with a silver pherics, Inc., of Fresno; Dr. At the Center, Blaise said he ous elements significant to the lodide replacement for the flare. Wendell A. Mordy, of the Uniwould continue the studies and physics of clouds were described Edwin X. Berry, of the Univer-versity of Nevada, and Robert working at the Santa Barbara LCdr. and Lt.

"warm clouds." Hydroscopic George Kalstrom, U.S. Weather materials are being tested un- Bureau, Los Angeles; Donald In an experimental demon- der "warm cloud" conditions.

For the past three years, the veteran Station employee has non, San Francisco, dealt with NOTS scientists explained that NOTS accordinator of the NOTS accordinator of the NOTS scientists explained that the NoTS scientists expl been the NOTS coordinator of legal aspects of weather control. In the Polaris Ad Hoc Group for Since the whole program still the conventional silver iodide Resources Research Institute, officers whose selections were Long Range Research and Development (PLRRDO, a \$10 to \$15 million annual program of \$15 million annual program of trol has been enacted.

Since the whole program still the conventional silver loude the sources in that NOTS the conventional silver loude the sources in the NOTS that is in its infancy, little or no leg-produces iodide by burning silver loude the sources in the NOTS that are mile, Wyo.; Dr. Arnold produces iodide by burning silver loude the sources in the NOTS that are mile, Wyo.; Dr. Arnold produces iodide by burning silver loude the sources in the NOTS that are mile, Wyo.; Dr. Arnold produces iodide by burning silver loude the seeding procedure in that NOTS the conventional silver loude the seeding procedure in the NOTS that are mile, Wyo.; Dr. Arnold produces iodide by burning silver loude the seeding procedure in the NOTS that are mile, Wyo.; Dr. Arnold produces iodide by burning silver loude the seeding procedure in the NOTS that are mile, Wyo.; Dr. Arnold produces iodide by burning silver loude the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the seeding procedure in the NOTS that are mile, which is a produce the notation that are mile, which is a produce the notation that are mile, which is a produce the notation that are mile, which is a produce the notation that are mile, which is a produce the notation



V X - 5 PERSONNEL INSPECTION climaxed last week's annual check by VX-4 and Com-FairSDiego. Capt. E. B. Salig, conducted final

phase of inspection. He's followed by Lt. J. C. Breast and Cdr. Jack M. Manherz, CO, VX-5. VX-5 Drill Team also performed.

Friday, December 18, 1964

Dr. Thomas M. Hoffer, Lockcon, San Bernardino Valley Mu-Eberly, Pacific Gas and Electric Co., San Francisco; and R. C. James, Bureau of Reclamation, Department of Interior, Denver.

week, moved up Lieutenant Joseph F. LeBlanc, Jr., Commissary Store Officer.

Included in those promoted to LCdr rank were two former NOTS officers, Robert H. Dolloff and Wayne B. McFarland.

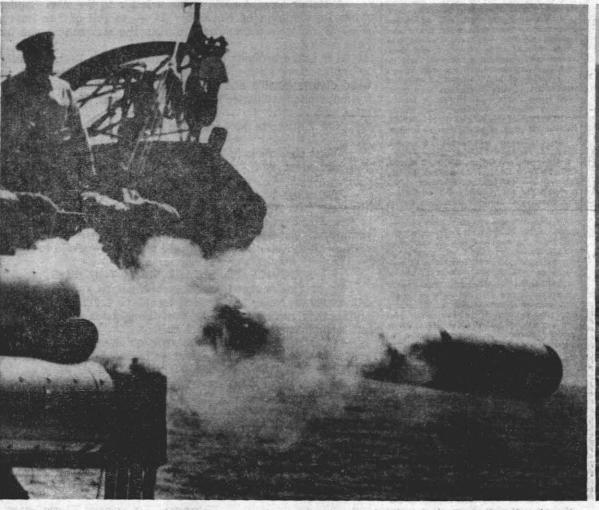
Lieutenants (jg) Harry L. Lara, Aviation Material Officer, and James D. Conway, Commissary Division Officer, were named for Lieutenant ranks. Formerly assigned here and now on temporary duties in Washington, LTig Joseph F. Gomez, was included in the list of those named for promotion to lieutenant.

Coachmen To Play For Teen Dance Tuesday, Dec. 29

Music by the Coachmen will be featured for the Teen Dance in the Mojave Room of the Commissioned Officers' Mess, Tuesday, Dec. 29, from 8 p.m. to midnight.

Dependent members and their guests will be welcome to the semi-formal affair.

REVEAL FULL STORY OF NOTS' MARK 46 TORPEDO



THE NEW MARK 46 TORPEDO may be launched by a variety of means, including

the standard delivery via torpedo tube aboard ship, as in this recent open sea test shot.

ANOTHER WAY to launch the Mark 46 torpedo is with

ASROC, another NOTS "first." Here's a shot from destroyer.

Middleton Wins State Nomination For 'Handicapped American of the Year'



WORDS OF ENCOURAGEMENT from nation's most famous handicapped employee, Harold Russell (right) followed nomination of Ralph W. Middleton by California last Friday as state's candidate for "Handicapped American of the Year" award to be made early next year in Washington. Mrs. Middleton and seeing-eye dog, Lena, shared spotlight of honors bestowed on local man at Bakersfield luncheon meeting.

Step Closer To By President

China Lake's Ralph W. Middleton added another distinction to his growing list of achievements last week in winning the nomination as Califor- of industrial partnership. nia's candidate for the "Handicapped American of the Year" title to be awarded in Washington early next year by Presi-

cials last October as the county's the program.

hands were shattered during the Navy in the Caribbean. WW II, Russell praised Middle-

19-month-old son, Shawn, would part of the facilities the Navy lost during the pursuit, the toryear to receive the President's Mark 46. Trophy from Mr. Johnson." Tests were carried out by tor- The weapon may be launched NOTS Delegation

Continued on Page 8) (Continued on Page 5) (Continued on Page 5)

NOTS Pasadena SecNav Tells Acted as Program New Concept in Tech Director **ASW Program** NOTS PASADENA (Dec. 18)— WASHINGTON, D.C., Dec. 18

The Navy announced another - The Secretary of the Navy National Award success story today — the de-velopment of the MK 46-0 Tor-completion of a program to depedo, the Navy's "first" solid velop an advanced antisubmarocket propellant, deep diving, rine torpedo that represents a high speed, anti-submarine wea- major stride in the nation's efforts to counter any enemy sub-The success of this new ASW marine.

is built around the Navy concept | The new torpedo, designated the Mark 46, is now in produc-In this instance, the U.S. Nav- tion and will later become operal Ordnance Test Station, Pasa- ational in the Fleet.

dena, acted as technical direc- The Mark 46 incorporates sev tor with Aerojet-General Corpo- eral new concepts in design that ration of Azusa, Calif., as the represent an advance in speed, prime development contractor. depth performance, and maneu-The blind mathematician was Together they worked as a team verability of torpedoes. It is the selected by Kern County offi-for the successful conclusion of Navy's first ASW torpedo to uti-"most exemplary" handicapped Also engaged in this program gas propulsion system as its

were two principal subcontrac- source of power. Attached locally to Data Com- tors, Bendix Corporation of Activated in Half-Second putation Branch, Test Depart- North Hollywood, Calif., and Upon water entry, the propul-

meeting of the Governor's Com- guidance and control and pro- of a sea water battery, and the mittee for employment of the pulsion systems, respectively. torpedo commences a power handicapped last Friday at Bak- The Bureau of Naval Weapons dive to a preset initial search lauded the Navy-Industrial team depth. The engine produces ap-Present for the meeting and who worked diligently on this proximately four horsepower principal speaker was Harold project for several years to per- per pound of engine weight Russell, star of the motion pic- fect the system and furnish this making the torpedo capable of ture, "The Best Years of Our country with another powerful overtaking the most elusive sub-Lives," and chairman of the deterrent to enemy submarines. marine targets known.

cently completed an extensive the torpedo begins its search for

Varied Tests Used

year-old man can advance him- mountains, a specially-equipped ing mode. Upon locating the self as far as Ralph has . . . train rumbling across the des-target, the torpedo commences even without his eyesight!" ert, and a steel cage hanging the pursuit and attack program, Russell expressed deep hopes deep in the ocean all have one until it closes and destroys the that Middleton, the father of a thing in common. They were target. If the target should be "be in Washington early next used to develop and test the pedo recommences a search pro-

ment, the 24-year-old Oregon na- Clevite Corporation. of Cleve- sion system is activated within tive was guest of honor at a land, O., who developed the one-half of a second by means President's Committee on handi- The MK 46-0 torpedo has re- Upon reaching search depth,

A muliple amputee whose fleet evaluation conducted by the target following a programmed search pattern. This is done by an active echo-rangelled over the fact that a "24. A Goliath slingshot in the ing me'hod or a passive listengram to relocate the target.

pedo experts in the Navy and by a variety of means. It is the Representing NOTS and the Aerojet - General, under the first ASW torpedo capable of be-



spite all mankind's technical ad-

firsthand contribution to the

continued safety and security of

our country — the world's best

ry Christmas and best wishes

Adm. David L. MacDonald,

USN, Chief of Naval Oper-

hope of achieving "Peace on

SANTA CLAUS will arrive tonight for a three-hour tour of NOTS China Lake Station and Ridgecrest, aboard a newly-designed pa-

rade float. Santa will visit as many sectors as possible, and will have candy for the kiddies. Float will substitute for traditional sleigh.

Yule Messages From SecNav and CNO

Christmas is normally a time | "Peace on Earth; Good Will to of family gatherings, happy Men" has remained for two gleams in the eyes of children thousand years as a goal to and of good fellowship — when we wish peace on earth to men challenge the keenest intellects, of good will, and observe the the strongest arms, and the Military Bowling Alley: anniversary of the birth of the daun.less spirits of the ages. De-

This Christmas as in many vance and his vast increase of Ceramics Hobby Shop: years past some Navy and Ma-knowledge of the materials of rine Corps personnel will not be the universe, these words still They will be manning their duty ring out above us as a goal not stations in ships, planes and bas- yet achieved. es in the far reaches of the At this season when all of of the Naval service will not be us would choose to be with our absent from family Christmas families many men and women Community Center: festivities by choice — but be- of the Navy-Marine Corps team cause of their line of duty which will be far from home in dediis dedicated to the needs of our cated pursuit for all mankind

Those of you who are not able of that ancient goal. to participate personally in the You who will spend Christtraditions of Christmas at home, mas on, over, and under the sea, rejoice in the knowledge that you are contributing to the or on distant shores, will by your greatest gift in the true spirit of dedicated service be giving the Library: Christmas - Peace on Earth and most cherished gifts of all -Good Will toward Men. Those of peace and freedom. You well us who are fortunate to be home deserve special thought and should all pause to reflect on greeting from all of us who have our blessings, and offer grati. the good fortune to be at home. tude to our shipmates who have The year now ending has testother assignments during this ed the determination and skill

family, please accept my heart- Joy, much contentment, and very iest Christmas greetings, and my great pride. The year ahead will Closed Dec. 25, 26 and Jan. 1. best wishes for the year to offer the same ingredients and NOTS Hobby Shop: peaceful for all.

Paul H. Nitze Secretary of the Navy

Social Security Rep. Due Here January 6 C. A. Kempter, Social Securi-

for the New Year. ty representative from Bakersfield, will be at the Community Center Thursday, Jan. 6, from 8:30 to 11:30 a.m.

Holiday Hours

Auto Hobby Shop: Closed Dec. 24 and 25. Bank of America:

Closed Dec. 25 and Jan. 1. Barber Shop and Beauty Shop: Closed Dec. 25, 26 and Jan. 1.

China Lake Bowl: Closed Dec. 24 and 25

Dec. 31 and Jan. 1. Closed Dec. 24 through Jan. 4.

Closed Dec. 25, 26 and Jan. 1 Commissary Store:

Closed Dec. 25 and Jan. 1.

Closed Dec. 24, 25, 26, 27 and Jan. 1. 2 and 3.

Closed Dec. 25 and Jan. 1.

Electronics Hobby Shop: Closed for remodeling Dec. 21 through Jan. 4.

Laundry and Dry Cleaners: Closed Dec. 25, 26 and Jan. 1.

Closed at 5 p.m. Dec. 24; All day Dec. 25. Closed at 5 p.m. Dec. 31; All day Jan. 1.

Closed Dec. 25, 26, 27; Jan. 1,

of many of you under fire. It Navy Exchange Store:

ture. To all of us who serve our Jan. 1. nation in uniform, it offers a Outdoor Shop: special opportunity to make a Dec. 24, Open 8 a.m. to 4 p.m.

Closed Dec. 25 and Jan. 1. Closed Dec. 25 and Jan. 1.

Earth; Good Will to Men." Mer- Service S ation: Dec. 24, open 8 a.m. to 4 p.m. Closed Dec. 25 and Jan. 1.

Station Restaurant: Closed 4 p.m. Dec. 24; All day 25, 26, 27; Jan. 1, 2 and 3.

Theater: Closed Dec. 24. Special Open Hours at Gym and

Dec. 21, 22, 23, 28, Open 1-6 p.m. Pool:

Dec. 21, 22, 23, 28, 29, 30, Open 11:30 a.m.-6 p.m. Regular schedule for Saturday and Sundays.

er Closed: Christmas Eve and Christmas Day, New Years Eve and New Years Day.

Holiday Messages

The advent of Christmas — presenting us with that rare opportunity to lay aside our daily tasks and responsibilities momentarily - is near at hand.

If we should take stock of our accomplishments this past year, we could readily see that the strength of NOTS and its resulting importance to the nation's defense, has continued to grow. It should be acknowledged that this strength is one of combined might, uniting the entire population here at China Lake in a common objective.

Our industry at NOTS is in direct harmony with the spirit of Christmas: "Peace on Earth to Men of Good will." Our focal point is providing America with a defense that can assure peace to men of good will.

It is with your support and dedication — the elements you have contributed so magnificently in the past — that we observe this Christmas with humble gratitude and thanksgiving.

To each of you in the NOTS family, please accept on behalf of our families, every good wish for a joyous Christmas and a happy, successful New Year.

CAPT. JOHN I. HARDY, USN Commander, NOTS

DR. WM. B. McLEAN Technical Director

NOTS-PA Greetings

To all NOTS personnel past and present and to your families, we extend warmest wishes for a joyous Christmas and a happy and prosperous New Year.

"Peace on Earth" is a special message of Christmas. All of you in the past, and particularly during the past year, have directed your efforts and yourselves to preserving peace for our nation. Your dedication, competence, and cooperation have materially contributed to fulfilling our Navy's mission and to the cause of peace.

We are grateful for the opportunity to serve our Navy, and with renewed efforts we look forward to another year of

D. J. WILCOX Head, Underwater Ordnance Dept.

CAPT. G. H. LOWE, USN Officer in Charge

Realistic Warning On Yuletide BB Guns and Bicycles

Dec. 23 and 24, 10 a.m. to 4 It isn't intended to damper the Yuletide spirit, but a realistic warning was served this week for parents giving BB guns and bicycles to youngsters this

Station Police Chief Val Cummins noted that existing Kern weapon in areas other than those authorized, such as firing the China Lake - Ridgecrest

Shiny new bicycles will bring Judging of home decorations smiles into the hearts of many and merchant windows will take Station youngsters Christmas place Sunday and Monday evemorning. And, that's the way it nings.

continued ownership. Chief Elliott Fox. Son of IWV D Cummins advised all parents neer Joe Fox, has accepted the whose children are getting bi- position on the Maturango Mucome. May it be happy and an opportunity to vary the mix- Closed Dec. 24, 25, 31, and cycles, to have them registered seum Board of Trustees left vaat the Security Department. cant by the recent resignation

rules can bring happiness to Alice Hirsch, board president, Chris mases to come, he noted, announced,

Final Issue For 1964

This is the final edition of The Rocketeer for 1964.

Publication will be resum ed on Jan. 8. 1965.

A very Merry Christmas and Happy New Year.

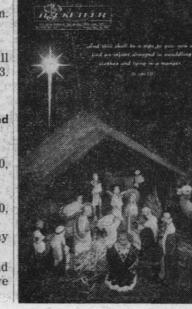
County ordinances and Station Christmas Decorating regulations prohibit firing any Contest Deadline 5 pm

Christmas Decorating Contest He said these laws will be must be presented at the Ridgestrictly enforced and offenders crest Chamber of Commerce ofwill have their guns confiscat- fice, 230 W. Ridgecrest Blvd., no later than 5 p.m. today.

To all members of the Navy has brought some sadness, some Dec. 24, open 10 a.m. to 4 To assure this reaction and FOX ON MUSEUM BOARD

Adherence to these basic of Robert Millett of Ridgecrest,

About the Cover



First came the shepherds, having been told by the angel of the Lord of the glorious birth in Bethlehem. The wondrous news traveled fast throughout the desert land. During the next several days, others looked upon Him in the manger, including the Magi who brought gifts of gold, frankincense and myrrh. The nativity scene on our cover today is a photograph of mouldfed ceramic figures, painted, glazed and jeweled by E. Ruth Garrett of China Lake. The arrangement and pictorial work is by Fred L. Richards who used a 90 mm wide-angle lens and a 4x5 Graphic View camera exposing Royal Pan film at 1/5 of a second at f.32, with studio lighting. Patricia F. O'Dell of TID's Graphic Arts Branch did the art work.

BOWLING

By Dick Zinke

Premier 865 Scratch Frank Grober highlighted the night's action by turning in a 631 series with games of 222, 214 and 191, and Warren Shad strung out six in-a-row for a big 234 game. Team honors went to aJoshua Trailer Sales who pound ed out a 937 game and the Mercury Movers posted a 2686 series with games of 871, 926, and 889.

Women's Handicap

Jeanne Krausman was up on the wood again and led her Blue Babes in the scoring department by rolling a 206 game and a 486 series. In team play it was the Loaners with a 960 while the Kings & Queens put three together for a 2684 series.

Mixed Foursome

The Targets hold a slim 11/2 game lead with the rest of the pack trying to make the big move. Chuck Cutsinger led Desert Motors to high team game of 667 by rolling a 218 game and a fine 577 series. For the gals it was Erma Erickson pushing over a 194 game and ending the night's play with a 509 series. Team series went to the Wild Ones with 1950.

Pick Up Those Spares

The Pro's say the secret to a high average is picking up spares and last September a survey of a 150-average mixed league over a period of three weeks was taken by an AMF experimental team. A total of 238 of the 1,023 different possible spare leaves appeared and was counted in the study. It also indicated bowlers missed the head pin about half the time on attempts for strikes. Here are the results of the ten most common pin leaves.

Ran	k Leave	Times left standing
1	10	pin 333
2	7	332
3	5	315
4	1-2-4	309
5	6-10	225
6	1-3-6	211
7	6	185
8	4	141
9	2-4-5	140
10	4-7	139

SPORTS QUIZ

on Monday, Tuesday and Wednesday, Dec. 21-23. It will be football team might the Beatles closed on Thursday and Friday, bere getten their feeking?

On Monday, Tuesday and Wednesday, Dec. 21-23. It will be a me an of 44 for December, with freezing tempera ures on have gotten their hair fashion? Dec. 24 and 25, but will reopen an average of 21 days. The rec-Stanley Cup record for scoring 26-27 from 1 to 6 p.m. in a single period?

3. When and where did Joe will be open Dec. 28, 29 and 30 Louis start his professional box- from 11:30 a.m. to 6 p.m. Closed Dec. 31 and New Year's Day, ing career? 4. Who was Pat Powers of Co- it will again be open to the public on Saturday and Sunday, Jan.

lumbus. Ohio? 5. How many baseballs were 2 and 3, from 1 to 6 p.m.

used in the 23-inning game be- The gym will be closed Dec. tween the San Francisco Giants 24 and 25 and Dec. 31 and Jan. and New York Mets in Shea 1, but will be open to the public Stadium last May 31?

Answers to Sports Quiz

were used in the game. 5. A total of 264 baseballs '6061 ui paufisas pue 1061 ui Geodatic Satellites minor leagues. He was elected To Pinpoint Targets 4. The first president of the

punos tsais et ui uexpexy A national geodetic satellite your too payoun au uaum program has been announced by NASA that will comprise three 'thel types of spacecraft in five dif-'08 you would isuiege boil ferent orbits. One of the craft -ad leuis aut ui sleog navas bail will be a 100-foot palloon like

-let ansibened leartnom adT .2 Ecpo-1. 'stueuoddo apple sont of It will be part of a triangulathat will enable sciuosees teut pleis equi uo pereed entists to locate any given point peers in Folies Bergere when pottery, gold and copper coins A lecture is something that -de west ||eqtoo; seek 0681 on earth within 32 feet of its not posing for pleasing pool equipos of the players of the

Prop Dev in Basketball Lead NAF and Aero Science Are Tied for Second Spot

Propulsion Development holds first place in the Station's Intramural Basketball League with a one-game lead over NAF and Aero Science who are tied for second place.

NAF's tie with Propulsion for the first place slot was broken when the NAF quintet was downed by Aero Science last Tuesday evening, 75 to 53.

Aero Science's Ted Lane was he big gun in tumbling NAF NAF from their first place tie with Aero Science Propulsion by garnering 32 points when they counted the most. NAF's usually high scorer Bradley was held to 18 PA's Quiet Five

win column Tuesday evening in a nip and tuck game with VX-5 Kegling League in which they were downed 67 The Quiet Five thundered to to 65.

point victory.

Dec. 10 Game Recap poin's on Dec. 10 to defeat their for the felines. Members of the

Leeper, 19, and Howard Kelly, White Tornadoes had high team

Aldez, 18 points, Joe Bramman, Team Eight, who rolled up a 13, and Gene Wanglie, 12.

on Dec. 10.

John Ulrich second with 9. Wilson hit the basket for 17 worries only when her daughtpoints for NOTS and Bonislaw- er gets home from a date at a

Cage Standings (As of Dec. 15) VX-5

NOTS almost broke into the Come Alive; Lead

sailors gave the squadron fly- ing 2.5 games ahead of the secers two throws for the basket ond-place Alley Kats. The Five which they collected for a two took four games from the In-

squadron rivals, 84 to 66. High scorers for NAF were Ed Bradley, 23 points, Ralph

to 42, in one of the lower scor- Flynn led the ladies with a 655. ing games of the season, in the George Jackson's 232 was men's second game of the double bill

Bob Berry was high man for Propulsion with 26 points and

ski dumped in 13.

first place in the NOTS Wednes-A technical foul on the NOTS' day night bowling league, pullfirmities to turn the trick, while Wilson scored 35 points for the Alley Kats were losing 3-1 NOTS and Wanglie 18 for VX-5, to the El Toros. The win gave the silent ones a won-lost rec-NAF outscored VX-5 by 22 ord of 34-14, versus 31.5 to 16.5 new league-leading team are Betty Halminski, Ina Squire,

In eleventh week play, the series, with a score of 3059. High men for VX-5 were Dick High team honors belonged to 1042. Bob Marimon had men's Propulsion downed NOTS, 56 high series, a 674, while Bev high game and Elaine Colson's 228 was high for the women.

A modern mother is one who

Burroughs High Basketball Schedule

isks: * 3 p.m.	** 6:30 p.m.	+	Time
Date	Team	Town	Time
Friday, Dec. 18	Boron	Home	5 p.m.
Saturday, Dec. 19 Mon., Tues., Wed.,	Bishop	Home	3 p.m.
Dec. 21-22-23	"A" Tourney	Bakersfield) FE CAL
Mon., Tues., Wed., Dec. 28-29-30	"B" Tourney	Bakersfield	HOA
Friday, Jan. 8	Antelope V.	Lancaster	5 p.m.
Saturday, Jan. 9	Trona	Home	5 p.m.
Friday, Jan. 15	Palmdale	Home	5 p.m.
Friday, Jan. 22	Quartz Hill	Quartz Hill	5 p.m.
Saturday, Jan. 23	Bishop	Commence of the Commence of th	5 p.m.
Friday, Jan. 29	Barstow	Home	
Saturday, Jan. 30	Victor Val	Victorville .	5 p.m.
Friday, Feb. 5	Antelope V	Home	5 p.m.
Friday, Feb. 12	Palmdale	Palmdale	
Saturday, Feb. 13	Quartz Hill	Home **	
Friday, Feb. 19	Barstow	Barstow	
Saturday, Feb. 20		Home	

WILL IT OR WON'T IT? - That's the quistion Propulsion

players Bill Ball, Ed Murrell (45), in dark jerseys, and NAF's Bob Kinsella and Bill McCullough (8), ask themselves. Ball

dropped through to give NAF 83 to 73 win over Prop. Dev.

Of Holiday Season 18 and 19 degrees on the 20th Special Services Officer LTjg and 21st of November broke

holiday schedule for the Station Gym and swimming pool

The pool will be open to the Freezing temperatures oc-

public from 11:30 a.m. to 6 p.m. curred on 12 days during the

New Station Records

Low temperature readings of

previous China Lake records last

ord low on Station is 2 degrees

pictures like this.

Swim Pool & Gym Nov. Weather Sets

To Be Open Most

Gym and swimming pool.

Jan. 3, from 1 to 6 p.m.

M. E. McGovern announces a

on Monday, Tuesday and Wed-

If usage warrants, the pool above zero.

all other days, beginning Mon- 16 11 12 13 16 15 16

day, Dec. 21 through Sunday, 17 18 19 28 21 22 23

READY TO welcome the new year, Las Vegas style, is showgirl Felicia Atkins, who ap-

To Search Bottom Of Aegean Sea A University of Pennsylvania A fully-automated system of

key to hunt for wreckage of gram. ships which sank hundreds of The Navy is testing a device years ago.

the Arborah, it displaces four submerged five hours.

Preliminary searches located parts of a sailing ship built in speed. the seventh century. Byzantine gram reported.

Two-Man Sub Used Automated Launch System Tested On Decks of Carrier

scientific team is using a two- launching planes from a carrier man submarine in the Aegean deck is undergoing tests and sea off the western coast of Tur- evaluation, according to Hydro-

called the "Direct Reading End The 16-foot craft, built by Speed Recorder." It determines General Dynamics Corp. at Gro- the speed of aircraft leaving the ton, Conn., cost \$80,000. Called flight deck one second after launch completion, enabling the tons, has a speed of 4 mph and launch officer to determine catcan dive 650 feet, remaining apault pressure needed for the following launch. The former chronograph method required 30 seconds to determine end

were found on board, Hydro-can make you feel numb at one end and dumb at the other.

Christmas Parties

ations

Central Staff, Engineering Dept.	18, 6:00 p.mCommunity Cen
China Lake Ski Club	18, 8:00 p.mLegion Ha
Supply Department	19, 7:00 p.mAcey-Deucey Cl
Aviation Ordnance	19, 6:00 p.mCommunity Cen
Children's Party	22, 1-4 p.mAcey-Deucey Clu