



FAREWELL GIFT — Lois and Bob Thomas admire sterling silver bowl presented to them by employees of TID at farewell luncheon held at the Officers Club last Thursday. The Thomases retired after 20 years of service at NOTS.

Entry Rules Listed For Art Festival

To enter the Kern County Art Festival to be held at the Community Center on April 24-25, adult amateur artists must complete an entry blank and return it to the Parks and Recreation Office, 1107 Golden State, Bakersfield, by March 1.

Rules and entry blanks may be secured from the Station Library, the Ridgecrest Library, the Gift Mart, and from individuals of the Desert Art League.

Participants must be residents of Kern County.

The word "original" is identified as being entirely one's own composition. Every stroke must have been done by the artist. No copies of pictures or other paintings are allowed.

No artist may enter more than two paintings at any festival level.

All paintings are to be either framed or matted. All framed paintings and mosaics must be wired for hanging. Maximum framed size is 40 inches in any direction.

MARCH 1 DEADLINE

Retired Officers Face Choice On Dual Pay

Federal employees who are retired regular military officers or warrant officers must decide irrevocably in writing before March 1, 1965, whether they want the amount of combined military retired pay and Civil Service salary they may earn controlled by the old dual compensation law or the new regulations enacted by Congress in 1964.

Responsibility for administering the registration procedures rests with the several finance centers of the uniformed services.

The finance centers were to mail the election forms, instructions and advice during December 1964 to the current home address of every retired commissioned and warrant officer of a regular component of the Armed Forces.

Any employee affected who has not received his election forms should contact his finance center immediately. Those who fail to make an election on or before March 1, 1965 will be considered to have elected irrevocably to remain in the status they occupied on November 30, 1964.

The new law revised the laws

covering the hiring of retired military for Civil Service positions and the amount of combined retired pay and salary they may draw. The new law became effective on November 30, 1964.

All retired service personnel hired after that date are covered by the new rules. However, military retirees on the government payroll before November 30, 1964 may choose to be covered by either the new or old rules.

The old law restricted most retirees to \$10,000 per year in combined military retirement and Civil Service salary. The new rules permit covered retirees to draw their full Civil Service pay plus the first \$2,000 of military retirement pay and half of all such pay that is above \$2,000.

Neither the new or old rules set any restrictions on the amount of combined retired pay and civilian salary that may be drawn by retired enlisted men or reserve officers.

SHOWBOAT CPO Club . . .

FRIDAY FEB. 19 "THE YOUNG LOVERS" (105 Min.) Peter Fonda, Sharon Hugueney 7 p.m.

(Drama) Controversial novel stresses frank and emotional love-life of a college couple, their "problem" and his reluctance to marry. Revolution in morals. (Adult.) Short: "Smarty Cat" (7 Min.)

SATURDAY FEB. 20 —MATINEE— "CALL ME BWANA" Bob Hope 1 p.m. Short: "Frogs Legs" (7 Min.) "Cody of the Pony Express" (16 Min.)

—EVENING— "THE GORGON" (83 Min.) Peter Cushing, Christopher Lee 7 p.m.

(Horror in Color) The Gorgon is a beautiful woman who has eerie powers during the full moon—she can turn anyone into stone, like a female werewolf, chilling! (Adults, Mature Youth.) Short: "Trouble Bruin" (7 Min.) "Amazing New Zealand" (20 Min.)

SUNDAY-MONDAY FEB. 21-22 "DISORDERLY ORDERLY" Jerry Lewis, Susan Oliver 7 p.m.

(Comedy in Color) Well-meaning, clumsy Jerry wants to become a doctor but suffers from the symptoms told him by the patients. Can you imagine turning loose a fumble-finger like Jerry in a hospital? It's a howl a minute ending in an ambulance chase. (Adults, Youth, Children.) Short: "How Green Is My Spinach" (7 Min.) "On The Bounce" (10 Min.)

TUESDAY-WEDNESDAY FEB. 23-24 "YOUNG BLOOD HAWK" (137 Min.) James Franciscus, Suzanne Pleshette 7 p.m.

(Drama) Kentucky coal truck driver goes to New York, meets the "right" people and becomes a smash hit writer until his hollow romance with a married woman breaks up his empire. Powerful drama, crackling dialogue. Controversial? Yes! (Adult.)

THURSDAY-FRIDAY FEB. 25-26 "TOPKAPI" (120 Min.) Melina Mercouri, Maximilian Schell, Peter Ustinov 7 p.m.

(Adventure-Comedy in Color) Don't miss this fun and suspense story of a woman with a mania for jewels and her gang's attempt to steal a rare dagger from the Istanbul museum. Here is the "theft of a century" and the thrill-packed laughfest of the year. (Adult.)

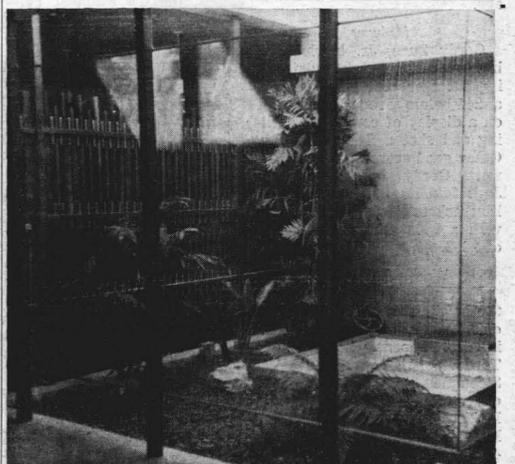
To Help Prepare State Income Tax Returns

A representative from the State of California Franchise Tax Board will be at the Community Center from 9 a.m. until 4:30 p.m. on Tuesday, March 2, to aid employees in preparing their State of California income tax returns.

Naval Reserve Is 50

The United States Naval Reserve will celebrate its Fiftieth Anniversary March 3, and has selected "Twice a Citizen" as the anniversary theme.

Since its beginning in 1915 the Naval Reserve has become an organization with 550,000 active personnel.



GLASS ENCLOSED atrium, a centerpiece for new club, features multi-colored waterfall, live tropical palms.

Postage stamp area with fields for From, To, and a stamp box labeled PLACE STAMP HERE.

'Premiere' Party at New CPO Club Tonight

Capt. Hardy Is Senior Guest of Honor at Gala

A spirit that couldn't be consumed by flames will serve as the prime element in tonight's re-opening of the Station's \$250,000 Chief Petty Officers Mess (Open).

Fire destroyed the original CPO Club in Oct. 1962.

Reconstructed as one of the Navy's most lavish facilities of its kind and boasting 6900-square feet of space divided into a cocktail lounge, dining room, kitchen, and manager's office, the club is to get two official opening nights.

Captain John I. Hardy, ComNOTS, is to be the senior guest-of-honor this evening and is scheduled to make a brief address following traditional, ribbon-cutting ceremonies.

A second program will be held tomorrow night, featuring a buffet and dancing to the music of the Chuck Cabot orchestra, which is here for the twin-bill of entertainment.

Festivities begin at 6 p.m. with a cocktail hour and will continue through 2 a.m. with dancing to follow the program.

Club Manager Jim Pollard and M/Sgt. John Coryell, President of the CPO Advisory Board, voiced praise for the voluntary work provided by club members the past two weeks.

"We wouldn't be opening tonight without this help," commented Coryell, pointing out the painting and finishing touches applied by members.

Tonight's attendance is limited to active duty CPOs, retired

(Continued on Page 8)

ROCKETEER FROM UNDER THE SEA TO THE STARS Vol. XX, No. 7 Naval Ordnance Test Station, China Lake, California Fri., Feb. 19, 1965

BUSINESS FACILITIES CLOSED MONDAY

All Navy Exchange facilities, the Commissary Store, the Station Library, the Station Pharmacy, and the Bank of America will be closed Washington's Birthday, Monday, Feb. 22.

Gemini Escape System Tests Here Successful



CAPT. PAUL W. JEFFREY, new Director of Supply here, is briefed by Capt. B. L. McCreery, assigned to Port Hueneme.



CAPT. FLOYD F. RECK Leaves soon for San Diego

Two-Man 'Hop' From Cape Now Set For April

A Gemini capsule escape system — designed, developed and tested with the hope that it will never be used — undergoes what may be the final qualifying test here today as the April date for America's first two-man space flight nears launch time.

The local phase of work paves the way for the launch at Cape Kennedy, boosting astronauts Major Gus Grissom and Lieutenant Commander John W. Young into a triple orbit of earth.

The first of two final, qualifying escape tests, simulating actual launch conditions, was conducted here last Friday with "highly successful" results.

A boilerplate (mock-up) Gemini capsule hoisted atop a 150-foot tower at Randsburg Wash facilities created a realistic condition. The Gemini launch vehicle will be Titan II.

Dummies Ejected Safely Seated side-by-side in the capsule, two tile dummies were ejected and parachuted to earth some 850-feet from the tower. The test simulated a condition which would abort the launch of the actual Gemini flight next April.

Robert F. Vorwerk, project engineer attached to the SNORT Track Division, Test Department, called the successful test last Friday and the painstaking effort that has now spanned many months here at China Lake, "a result of closely coordinated joint effort."

The entire Superionic Track Division, under Lester G. Gorman, has at one time or another been engaged to some extent in the successful development of the escape system. Individual personnel, representing Projects, Operations and Instrumentation branches all share equal credit in the tests now concluding here, according to Vorwerk.

Praising the effort last Friday was Captain John I. Hardy, ComNOTS, who joined key NASA and Weber Aircraft officials in witnessing the tower tests. Here from NASA's Manned Spacecraft Center, Houston, Tex., was astronaut Alan Bean, (Continued on Page 4)

Capt. Jeffrey Relieves Capt. McCreery, Capt. Reck Assigned to North Island

Captain Paul W. Jeffrey (SC), former aide and administrative Assistant to the Chief of Naval Material, reported for new duties here this week as Director of Supply, relieving Captain Bernard L. McCreery (SC).

Also affected by change of duties locally is Captain Floyd F. Reck, Plans and Operations Officer here since Dec. 1961, who will be assigned soon to the office of Bureau of Weapons, Fleet Readiness Officer, Pacific Fleet, with headquarters at North Island (San Diego). No relief has yet been named for Capt. Reck.

Capt. McCreery, Director of Supply operations at China Lake and Pasadena since July 1962, will assume duties with the staff of the Navy Surface Missile Systems Engineering Station, Port Hueneme. He reported here from the Naval War College and had previously served as Supply Officer for the Naval Air Station, Jacksonville, Fla.

In Many Activities During his local tour of duty, Capt. McCreery served as president of the China Lake Golf Club, Director of the Federal Credit Union and with numerous Kern County Trade boards.

The Station's new Director of Supply was born at Oriska, N.D., and moved with his family to Riverside, Calif., at an early age.

Graduated from Redlands University, his initial assignment as a Navy officer was in 1942 at the Navy Supply Depot, San Diego.

His tours of duty over the past 23 years include assignments with numerous operational and support units. From 1944 to 1946, Capt. Jeffrey served as Supply and Disbursing Officer with the 7th Special Construction Battalion. He was subsequently ordered to the Mare Island Shipyard as Electronic Supply Officer; Navy Supply Center, Guam; USS General Mitchell; Navy Supply Center, Oakland; Naval War College, from which he was graduated and was assigned to faculty duties in 1957; Commander, Service Forces, U.S. Pacific Fleet; Bureau of Supplies and Accounts as a technical representative, and to the Office of Naval Material.

Capt. and Mrs. Jeffrey, the former Mary E. Brantingham of Long Beach, have two children, Richard P., 14, and Diane R., 12.

Capt. Reck, a naval aviator since 1942 and former skipper of Patrol Squadron 23, came to NOTS from duties in the Bureau of Weapons where he served as Head, Aircraft Engineering Branch.

His tour of duty at China Lake has been distinguished as a result of numerous operational programs to which he had

(Continued on Page 8)

Capt. Paul W. Jeffrey Relieves Capt. McCreery; Capt. Reck Leaving, Too

(Continued from Page 1)

been assigned as a representative of the Station Commander.

Coordinated JFK Visit

Serving as Project Coordinator, it was Capt. Reck who supervised the overall planning and execution of activities related to the visit here of the late President John F. Kennedy in 1963.

A one-time Navy test pilot at Patuxent River, Md., Capt. Reck holds a Masters degree in aero-

autical engineering.

A hail and farewell program is to be held tomorrow evening at the Commissioned Officers Mess honoring Capt. McCreery and Jeffrey. The no-host event is to start at 6:30 with a reception to be followed by a brief presentation and a dinner-dance.

A farewell party with Capt. Reck as guest of honor will be held next Friday, Feb. 26, at the Commissioned Officers Mess, also as a no-host event.

CROSSWORD PUZZLE

Crossword puzzle grid with clues for Across and Down words.

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For Use In Authorized Service Newspapers Only.

NEW CPO CLUB dining room looks out on patio and swimming pool.

Final Qualifying Tests For Gemini Here Successful

(Continued from Page 1)

a Navy Lieutenant Commander. Test facilities at El Centro, Calif., last Friday reported its completion of a parachute landing system for the Gemini capsule. It has made 10 successful drops from high altitudes there. The final test, conducted Feb. 11, resulted in the cancellation by NASA of four remaining tests and moved the Gemini program nearly a month ahead of schedule.

Underwater Tests, Too

It was in early February that the Gemini capsule was submerged with astronauts Grissom and Young aboard to test underwater escape procedures.

Thus the many successes achieved by China Lake scientists and technicians create added significance to the overall program.

As indicated by Vorwerk, "Escape system work is one of the necessary evils. It must be done, however, to afford life-saving features in the event of failure.

"Comparing the ejection system to the missile and electronics involved with the Gemini program, the ejection system is not a prime factor in the flight's success — in the event everything goes well.

"In case of trouble," he points out, "it may become the major system."

Production models of the Gemini capsule and escape systems are now at Cape Kennedy, according to NASA, awaiting the outcome of these tests and others to be made before launch date in April.

Five-Hour, Triple Orbit

Gemini's maiden voyage is scheduled to carry the Grissom-Young team on a triple earth orbit, lasting an estimated five hours. The second programmed flight will carry Air Force Major Edward White and Captain James McDivitt on a four-day journey into space.

The third scheduled flight will be for seven days and the fourth mission will be the first attempt to dock a manned spacecraft with another orbiting satellite.

Lieutenant Commander Wally Schirra, a former NOTS officer, is slated to command this epic mission.

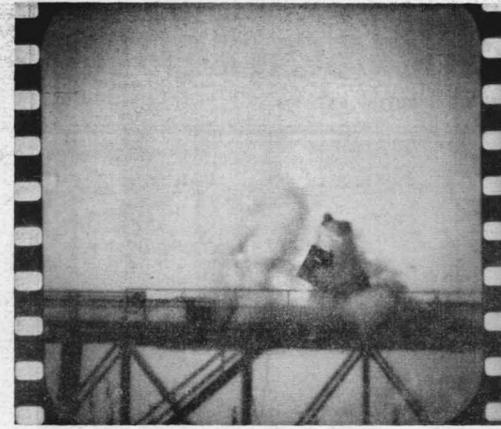
Gemini astronauts, according to NASA, will eventually stay in space for two week periods, attempting various maneuvers to practice for Apollo moon flights slated late in this decade.



1. MINUS ONE in countdown, hatches closed.



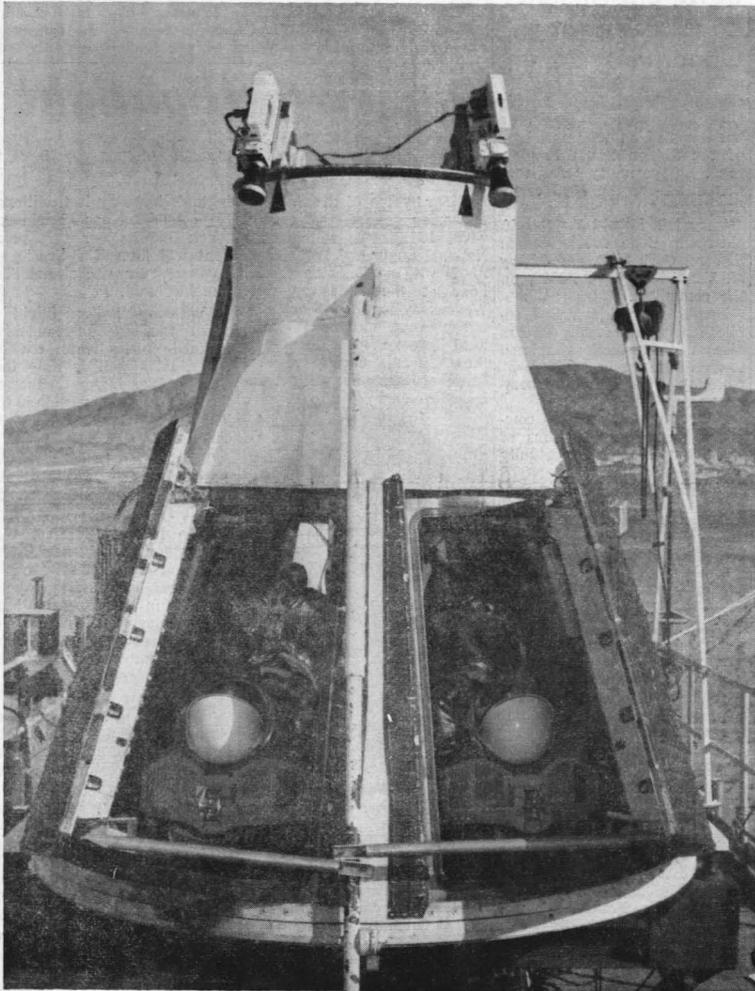
2. START OF EJECTION — hatches spring open.



3. FIRST BLAST of propellant, smoke screens capsule.



4. DUMMY astronauts and seats are hurtled from capsule.



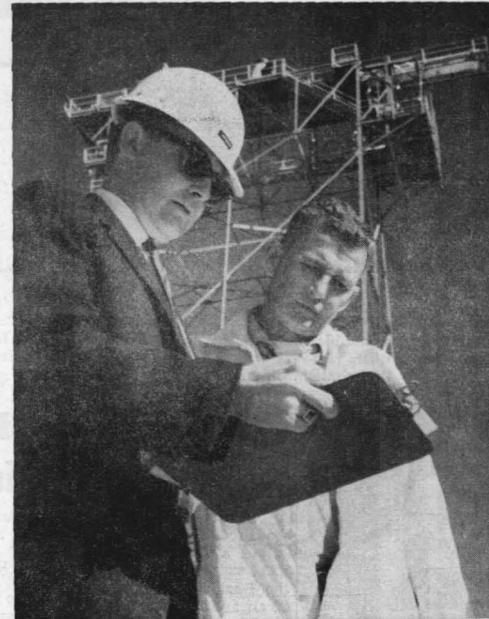
ASTRONAUT DUMMIES in Gemini mockup atop 150-foot tower.

The 70-mm. sequence films on this page were taken by John E. Chaffee and E. A. "Dusty" Neumann of the Test Department.

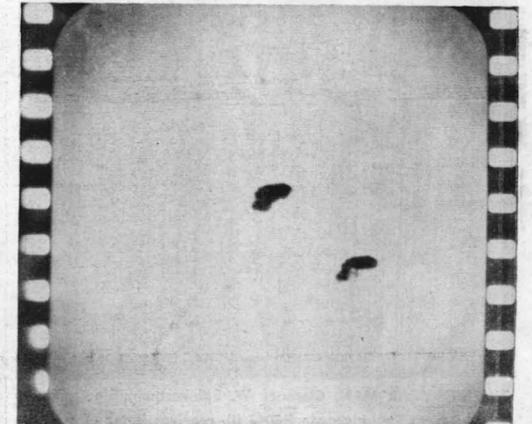
Gemini Escape System Test Told in Pictures



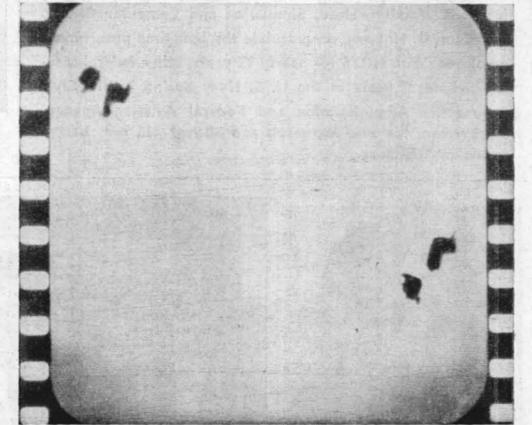
CAPT. JOHN I. HARDY, ComNOTS, chats with NASA astronaut LCDR. Alan Bean who flew here to witness the test.



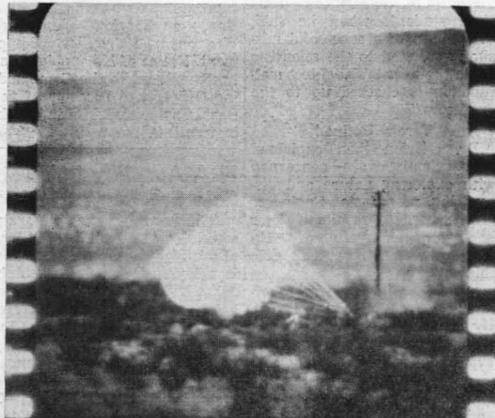
BOB VORWERK (left), NOTS Project Engineer, and Jim Keosky, Range Engineer, check program for today's test.



5. DUMMIES AND SEATS are still attached.



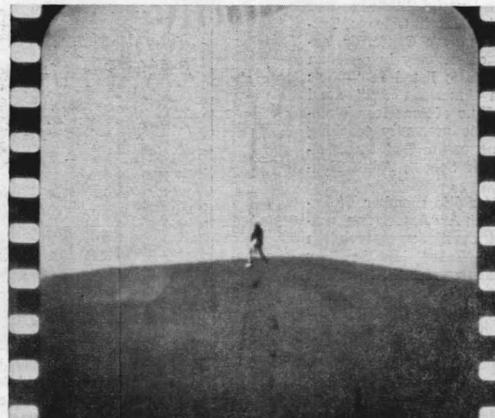
6. DUMMIES AND SEATS separate at apex of arc.



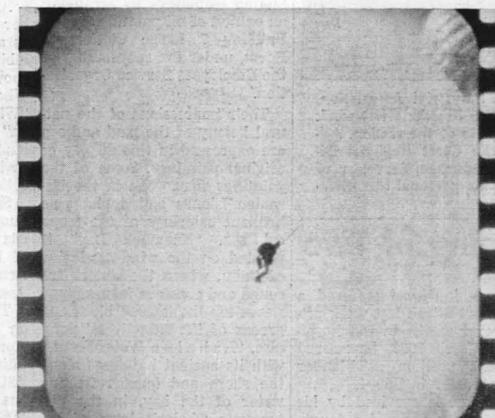
11. CHUTE collapses. Both dummies were in perfect shape.



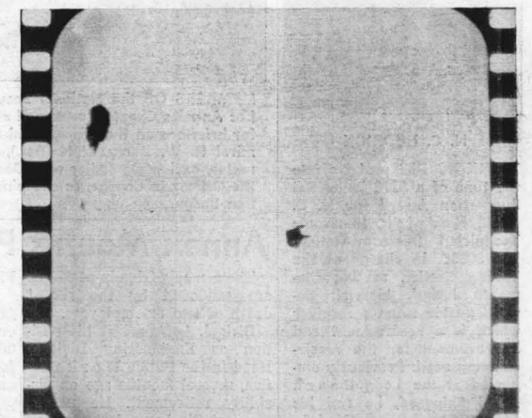
10. TOUCHDOWN at about 850 feet from launch tower.



9. AND HE FLOATS back to the surface.



8. CHUTE blossoms out as dummy pendulums.



7. PARACHUTE opens as camera follows one 'astronaut'.

Sailor Of The Month



RUSSELL B. MANLEY, BM2

Congratulations to Russell B. Manley, BM2, on his selection as NOTS Long Beach Sailor of the Month for February, 1965. Fresh paint, a lot of elbow grease, and a little imagination from Manley as barracks MAA has kept NOTS Barracks 63 a very habitable quarters.

Manley reported aboard NOTS in July 1964. Since then he has shown himself to be an excellent petty officer. His cooperative attitude and insistence on the highest standards of cleanliness and preventive maintenance in Barracks 63 have earned him the respect conveyed by this award.

Manley who hails from Shelbyville, Tennessee, now resides in Long Beach with his wife and two children.

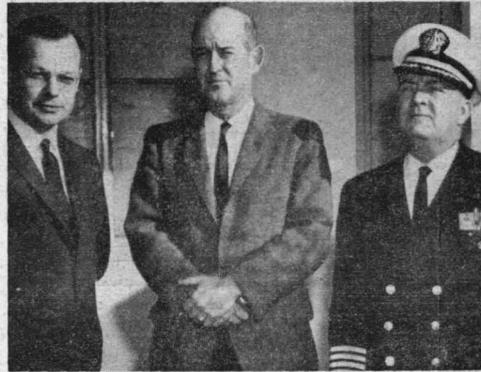
NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638

Quiet Five Pull Ahead

The Quiet Five lengthened their lead over the Alley Kats in the NOTS Wednesday night bowling league. Going into the 21st week of play, the Five maintained a won-lost record of 60-24, while the Kats lagged with 53.5-30.5. The third place Side Winders stood at 48-36.

High scores for the week were as follows: team series, Alley Kats, 3061; team game, Side Winders and Quiet Five (tie), 1037; men's series, Mert Welch, 673; women's series, Elaine Colson, 642; men's game, Al Lammens, 250; and women's game, Louise Hagnas, 229.



RADM. H. G. BOWEN, COMOPTEVFOR, Norfolk (center), was welcomed to NOTS Pasadena by D. J. Wilcox, Head, Underwater Ordnance Department; and Capt. G. H. Lowe, Officer in Charge, Pasadena. RADM. Bowen visited station laboratories and conferred with technical personnel.



TWENTY-YEAR MAN, Clarence W. Spiekerman, Electronic Development Technician in P8043 (l), receives letter of commendation and lapel pin denoting his years of federal service L. Z. Maudlin, Head, Simulation and Computer Center, and Capt. G. H. Lowe congratulate the long-time government employee. With NOTS for nearly 12 years, other federal service includes 3 years in the U. S. Navy during WWII, Civil Aeronautics Administration and Federal Aviation Agency. Spiekerman, his wife Margaret, and 20-year old son, Larry, reside in Glendora.



ELMO GILLETT (l) and his wife, Arleen, are assisted by Wes Fisher, Vice-President of Employees Service Organization, in arranging their oil paintings for an exhibit in the Building 7 Large Conference Room.



N. C. HEDRICK

THINKING BIG paid off to the tune of a \$390 Beneficial Suggestion Award for N. C. (Rick) Hedrick, Electronic Technician (Instrumentation) in P80835. In charge of the Timing Section at San Clemente Island, Hedrick devised a UHF tunable receiver which is a replacement and improvement for the receiver being used. Previously employed at the Long Beach Naval Shipyard, he and his wife, Zelda, have resided in Long Beach for 15 years.



MEMBERS OF the National Security Industrial Association, Los Angeles Chapter, convened at NOTS Pasadena last week for briefings on the mission and activities of the station. Admiral R. W. Berry, USN (Ret.), Pacific Coast Regional Director, exchanges smiles with Dorothy Bowman, Secretary of the Officer in Charge, as she pins on his personal identification badge.

Annex Mourns Passing of Two

Their many friends at NOTS are saddened by the recent death of two ex-employees.

Dirk J. LeMair left his position as Engineering Division Head in the Public Works Office, several months ago on disability retirement. He passed away at his home last week. Dirk is survived by his wife, Florence.

George I. Dippel suffered a fatal heart attack last week after several weeks in the hospital. In March 1962, he retired from his position as Planner and Estimator in P8094. George is survived by his wife, Marie, a son and a daughter.

Family "Togetherness" For The Painting Gilletts

Elmo Gillett, Engineer Technician in the Design Section of the Product Engineering Division, and his wife, Arleen, are indeed a family of "togetherness." Both are accomplished painters and are presently in the final stages of completion of an art studio in their Arcadia home.

The Gilletts are sharing the beauty of their paintings with Station employees by arranging an exhibit of oil paintings in the Building 7 Large Conference Room, under the sponsorship of the Employees Service Organization.

Their impressions of the natural beauty of the land and sea are expressed in this display of original paintings. Some of the paintings were done in the Hawaiian Islands and depict the brilliant colorings of the tropical sea. "Hanauma Bay" is painted on the wind-ward side of Oahu, where the waters are rough and constant foam-capped waves top the intense blues and greens of the skin-divers' paradise. "Lahaina Water-Front," with its ancient buildings along the shore and quiet reflecting water of the bay, in the picturesque whaler's town of Lahaina on the island of Maui.

Elmo Gillett is an exhibiting member of Mid-Valley Arts League, Inc. He has shown his work in Los Angeles and throughout the San Gabriel Valley. Arleen Huseby Gillett has had her art training in Chicago, Texas and Southern California, exhibiting extensively in one-man shows. She is listed in "Who's Who In American Art" and "Who's Who of American Women" and is presently teaching landscape painting at the Monrovia High School, Adult Education.

She is a life member of Laguna Beach Art Association, Artists and Craftsmen Association of Dallas, Texas, Mid-Valley Arts League and the Desert Art Association.

The Gilletts paintings will be on display during March and April at NOTS Pasadena. Tentative plans are being made by ESO to afford other station artists the opportunity to display their talents by way of an "open house" exhibit.

Pauline Rolf Dies In Cincinnati, Ohio

Dr. Pauline Rolf, 52, former consultant to the Propulsion Development Department, died of a cerebral hemorrhage in a Cincinnati, Ohio, hospital last Friday at 3 a.m.

A noted physicist, Dr. Rolf was listed in "American Men of Science."

Born in the Philippine Islands, she received her BA degree from the University of Cincinnati in 1934. She was granted five yearly scholarships while attending the University.

The former consultant obtained her doctorate in physics at Bryn Mawr College in 1942 where she was awarded two fellowships.

Dr. Rolf began her Civil Service career with the Bureau of Standards in Washington, D.C., and transferred to NOTS in 1946 as an aide to the technical director.

In 1948, she was assigned to the Operations Evaluation Group in the Office of the Chief of Naval Operations in Washington, D.C., as an operations analyst.

One year later, she returned to NOTS as operations analyst with the Mathematics Division of the Research Department.

In June, 1955, she joined the Weapons Planning Group as a physical science administrator, then in 1961 transferred to the Propulsion Development Department as a consultant.

Al Gould Will Seek Re-Election to Board of Trustees

Albert S. Gould of China Lake, W. C. Myers and Mark G. Raney of Bakersfield will seek re-election to the Board of Trustees of the Kern County Joint Union Junior College District on April 20.

Gould, a consultant to the Weapons Planning Group, has been a resident of the area for 20 years, a board member since 1950, and aboard president since 1960.

Myers is manager of the Bakersfield store of Sears, Roebuck and Company and has lived in Bakersfield since 1954.

Raney is manager of the Agricultural Division, Kern County Land Company, and has been a resident of the Bakersfield area since 1946.

Terms of the other two board members, M. Glenn Bultman and D. E. Ruggenberg, continue beyond this year.

Dr. Rolf retired in October of 1963. She is survived by her mother, Mrs. Clara Rolf, of Cincinnati, Ohio.

Seabee Birthday Party Here March 6

LCDR. Paul O. Erickson of Naval Reserve Mobile Construction Battalion 17, Division 11-2, offers all China Lake SeaBees an invitation to celebrate the birthday of the Seabees on March 6 at the Acey Deucey Club. For reservations, call Frank Menard at 71371 during duty hours, or 725763 in the evening.

Boyd, Brown Join Equal Employment Opportunity Comm.

Thomas W. Boyd, Code 707 (Ext. 72223), and Daniel Brown, Code 5564 (Ext. 72640), have been named as new members of the Station Equal Employment Opportunity Advisory Committee for the 1965 calendar year.

They join Harold F. Metcalf, chairman, Code 4001; William S. Tom, Code 3063, and Mabry M. Van Reed, Code P8002, on the committee.

Employees and qualified applicants may informally discuss discuss dissatisfactions related to discrimination in employment with any of the committee members.

Addresses for written complaints regarding violations of Equal Employment Opportunity Policy are contained in NOTS Instruction 12713.1B issued Feb. 9, 1965.

Weapons Exhibit Center Is Site For Art Meeting

The Desert Art League will hold its regular program meeting on Monday, Feb. 22, at 7:45 p.m. in the Weapons Exhibit Center. Members and friends are asked to note the change of meeting place for this month's meeting.

The program will include a tour of the center with emphasis on combat art paintings. Also a movie on art treasures in the United States, and a slide show on the Museum of Impressionism in Paris, France, will be screened. Fred Richards will be the tour guide for this meeting.



JUNIOR GIRL SCOUTS Jolene Johnson, 12; Jean Gay Anderson, 11, and Suzanne Johnson, 11, of China Lake Troop 64, get final instructions from leader Mrs. Claude Wood as the annual Girl Scout Cookie sale gets under way today.

Dinner to Highlight Engineering Week

Thirty-five of the Station's registered engineers, their wives and guests, will observe National Engineers' Week (Feb. 21-27) with a dinner and social hour at the Hideaway next Wednesday evening.

The event, sponsored by the local Desert Empire Chapter of the California Society of Professional Engineers, will get underway at 6 p.m. to be followed by dinner at 7 p.m.

The local Chapter will join 400 other chapters throughout the 50 states, Puerto Rico, the District of Columbia, and the Canal Zone, in the annual observance. "The week of George Washington's birthday is traditionally celebrated as Engineers' Week because our first president was himself a trained engineer," dinner chairman Stan Mutchler said.



STAN MUTCHLER . . . dinner chairman

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Witnessed Balloon Flight "In this age of launching manned-vehicles into outer space, it is well to note that George Washington witnessed the first balloon ascension in the Western Hemisphere," Mutchler commented.

"Washington issued a special 'passport' to the French balloonist Jean Pierre Blanchard on Jan. 9, 1793.

"The lively interest that Washington took in new inventions and discoveries leaves no doubt that he would have been strongly in favor of the kind of technology which would one day be broad enough to take man to the moon," Mutchler concluded.

Theme of Week "Engineering . . . For Human Needs" has been selected as the theme for 1965's National Engineers' Week, chairman Mutchler announced.

"If this world is to become a better place in which to live — it probably will be due in great part to our engineers," he said.

It would be well to point out during National Engineers' Week, the confusion that exists between the terms "engineers" and "scientists," Mutchler noted.

Dr. Morrough P. O'Brien, dean-emeritus of the University of California, put it quite humorously in a speech to Georgia Tech students when he said, "The glory of a successful missile is credited to the scientists while the missile's slightest malfunction is chalked up to the engineers."

Terms Defined

Dr. O'Brien then explained that scientists are concerned with exploring nature and discovering new facts. Engineers are concerned, on the other hand, with the creation of working hardware to meet a specific things.

"A career in engineering offers a young person today a chance for an active role in such challenging fields as the exploration of space, nuclear energy, computers, instrumentation, and new concepts in structures and transportation," Mutchler pointed out.



LTJG WILLARD J. BENNER reports from the Naval Air Station, Atsugi, Japan, as Asst. Officer-in-Charge of the Commissary Store. He relieves Chief Warrant Officer A. E. Berce who has received orders to the Naval Station, Pearl Harbor. A graduate of Oregon College of Education at Monmouth with a BS in education, Benner entered the Navy via Officer Candidate School in 1960. He lettered in football and track at Oregon. He is married to the former Marilyn Martin of Roseburg, Ore. They have two children, Michael James, 3, and Patrick Jay. The Benners have been assigned quarters at 54-A Burroughs Ave.

Weathersbee Named To Steering Group

Dwight L. Weathersbee, aerospace engineer in Code 4062, has been appointed as the Station's representative on the Steering Group on Shock Hardening of Weapons and Ancillary Equipment. Notice of his appointment has been sent to the Commanding Officer and Director of the David Taylor Model Basin, Washington, D.C.

FRA Auxiliary Bake Sale Set for Feb. 26

A bi-monthly bake sale sponsored by the Ladies Auxiliary of the Fleet Reserve Association is scheduled for Friday, Feb. 26, at NAF. Moneta Terrebonne, president; Grace Driver, secretary; and board member La-homa Haug will begin selling home-made goods at the hangar at 9 a.m. Food will be collected at the home of Mrs. Driver, 56-B Dewey, the night before the sale.

JEWISH MESSAGE

Take Time To Look

By (Student) Rabbi David Zucker



Driving only a few miles south of China Lake, on Highway 14, one finds Red Rock Canyon. When passing through this area one can not but be impressed with its stark beauty: the rocky crags jutting out, with bands of red, and tan, and brown, running across them. It is a magnificent sight.

At different times during the day, and especially towards the late afternoon, when the sun strikes, and then reflects from these rocks, the shadows seem to deepen the colors and their beauty becomes even more impressive. When stopping to admire this striking landscape and its rugged outgrowths in such a calm land, one's thoughts turn inward, and therefore one reflects on the whole beauty of the world.

Such a scene is also found in the southern portion of Israel, in the vast and desolate Negev, its desert region. It may well have been a view like this that inspired the composer of the 24th Psalm to write: "The earth is the Lord's, and the fullness thereof; The world and they that dwell therein. For He founded it upon the seas, and established it on the floods."

In the busy schedule of our lives, we rarely take the time to look around us and to see just how majestic the world is in all its reality. Whether it be with our profession, or at home, with our studies, duties, or just the many problems that arise daily, we often get too concerned with ourselves and do not appreciate what is seen in nature.

When we are pressed for a time schedule we become too engrossed in what we are doing. We do not realize that life will go on despite our self-imposed time limits.

Red Rock Canyon was not created in one day. It took years, literally centuries of wind, water, and erosion to form what we see today. Neither the wind, nor the water did its work quickly, but rather by the slow and methodical movement of time, did such a magnificence come about.

If we take the time to admire "the earth . . . and the fullness thereof" we will be that much happier and healthier, both physically and mentally. From under the sea to the stars themselves beauty abounds. We only need to open our eyes to it, to take in its serenity and the peace of mind it offers to us.

MESSEHALL MENU

- TODAY, FEBRUARY 19
D-Corn chowder, seafood platter, Spanish noodles, macaroni and cheese, mixed vegetables, sandwich bar, salads, lemon meringue pie.
S-Roast beef, potatoes, gravy, peas, salads, coconut bars, ice cream.
SATURDAY, FEBRUARY 20
B-Fruit, juice, cereal, fried eggs, steak, waffles, syrup, butter, jam, jelly, toast.
1000 Add: Stuffed peppers, potatoes, corn, salads, ice cream.
1000 Omit: Waffles, steak, syrup.
S-Beef pot pie with biscuit topping, French fried cauliflower, squash, salads, chocolate pudding, whipped cream, ice cream.
SUNDAY, FEBRUARY 21
B-Fruit, juice, cereal, fried eggs, fried ham, waffles, syrup, butter, jam, jelly, toast.
1000 Add: Braised beef, and noodles, green beans, salads, ice cream.
1000 Omit: Waffles, ham, syrup.
S-Grilled steak, potatoes, gravy,okra, mixed vegetables, salads, fruit, jello, ice cream.
MONDAY, FEBRUARY 22
B-Fruit, juice, cereal, fried eggs, sausage links, waffles, syrup, butter, jam, jelly, toast.
1000 Add: Barbecued beef, toasted bun, French fried potatoes, fried hominy, ice cream, salads.
1000 Omit: Sausage links, waffles, syrup.
S-Grilled steak, baked potato, gravy, broccoli, salads, corn, cherry pudding, whipped cream, ice cream.
TUESDAY, FEBRUARY 23
B-Fruit, cereal, fried eggs, creamed dried beef, potatoes, hot cakes, syrup, jam, jelly, cake, doughnuts.
D-Split pea soup, baked ham, sweet potatoes, cabbage, pineapple-raisin sauce, green beans, sandwich bar, salads, apple-sauce cake, ice cream.
S-Beef stew, noodles, spinach, carrots, salads, hot biscuits, nut pound cake, ice cream.
WEDNESDAY, FEBRUARY 24
B-Fruit, cereal, fried eggs, corn beef hash, French toast, syrup, jam, jelly, cinnamon rolls.
D-Vegetable soup, Swiss steak, potatoes, gravy, corn, lima beans, sandwich bar, salads, banana cream pie.
S-Italian spaghetti, meat sauce, meat balls, Brussels sprouts, peas, garlic bread, salads, cry baby cookies, ice cream.
THURSDAY, FEBRUARY 25
B-Fruit, cereal, fried eggs, luncheon meat, hot cakes, syrup, jam, jelly, raised doughnuts.
D-Chicken noodle soup, southern fried chicken, potatoes, gravy, asparagus, beans, sandwich bar, salads, chocolate cake.
FRIDAY, FEBRUARY 26
B-Fruit, cereal, fried eggs, minced beef, potatoes, French toast, syrup, jam, jelly, ice cream.

The Rocketeer

Official Weekly Publication of the U. S. Naval Ordnance Test Station China Lake, California
Capt. John I. Hardy, USN Station Commander
"J." Bibby Public Information Officer
Jack G. Brewer Editorial Advisor
Richard Greensberg Editor
Budd Gatt Staff Writer
Frederick L. Richards Special Assignments
Staff Photographers
Jerry Williams, PH1, Paul Seaton, AC2PH; Bryce Cocek, PH3; Seth Rossman, PH3, and Ralph Robey, PH2 (Pasadena).



Christian Science (Chapel Annex)- Morning Service-11 a.m. Sunday School-11 a.m.
Protestant-(All Faith Chapel)- Morning Worship-8:30 and 11 a.m. Sunday School-9:30 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located opposite Station Restaurant.
Roman Catholic (All Faith Chapel)- Holy Mass-7, 9:30 a.m., and 5:30 p.m. Sunday.
6 a.m. Monday through Friday, 8:30 a.m. Saturday.
Confessions-8 to 8:25 a.m., 6 to 8:30 p.m. Saturday Thursday before First Friday, 4 to 5:30 p.m.
NOTS Jewish Services (East Wing All Faith Chapel)-8 p.m. every first and third Friday.
Sabbath School, 10 a.m. to noon, every first and third Saturday.
Unitarian Fellowship (Chapel Annex, 85 King St.)- Fellowship Meeting-Sundays, 7:30 p.m. Sunday School-10:45-11:45 a.m. Dorms 7 and 8.

DEADLINES: News Stories-Tues., 4:30 p.m. Photographs-Tues., 11:30 a.m.
The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NAVEXOS P-35, Revised July 1958. Office at 20 King St., Bldg. 00929. Phone-71354, 71655, 72082.

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.

General Supply Officer, GS-11, Code 251- As a member of the Planning Staff, Supply Department, assists in the provision of management planning service in a staff capacity to the Director of Supply as well as all Supply Department divisions. Conducts studies and investigations and prepares recommendations related to Department operations and procedures.

Qualifications Required: Three years' general experience in administrative, professional, investigative work that has provided applicant with a general knowledge of one or more aspects of the supply field; plus three years' specialized experience directly related to one or more supply functions, i.e., supply program management, inventory management, distribution facilities and storage, identification or property utilization.

Supply Clerk, GS-4, 14612Am1-2, Code 2573 - Screens and processes bills of material for typing of stubs and requisitions. Maintains stock control records and provides general related office services.

Qualifications Required: One year general office-clerical experience plus one year specialized experience in supply-clerical operations.

File applications with Pat Dettling, Bldg. 34, Rm. 28, Phone Ext. 72218.

Ordnanceman (Ammunition & Explosives-Test), WB-10, Code 4371-Performs the necessary maintenance involved in the operation of equipment for carrying out various processes associated with experimental and/or developmental preparation of various kinds of propellants. This position may lead to promotion to Ordnanceman (Experimental Propellants & Explosives), WB-11.

Qualifications Required: Thirty months progressively responsible experience in the assembly, disassembly, set-up, firing or control of tests on explosives plus six months experience in the handling and testing of specialized ordnance equipment; preparation, firing or control of test operations; or setting up, firing and controlling experimental operations.

File applications for above with Betty Fowler, Bldg. 34, Rm. 26, Phone 71648.

Physical Science Technician, GS-5, Code 5524-This position is a Physical Science Technician (Inertial Devices) in the Inertial Systems Section, Engineering Department. The purpose is to assist the engineers and physicists of the section in the design, engineering, evaluation, and testing of inertial components and devices such as gyroscopes, rollers, miniature precision bearings, and guided missile seeker systems. The incumbent performs a variety of tests, effect production for cleaning and lubricating miniature precision instrument bearings, to maintain, adjust, calibrate, and preserve a variety of laboratory equipment.

Physicist or General Engineer, GS-12, Code 5524-The incumbent of this position is the Head of the Optical Systems Section, Engineering Physics Branch. The position is responsible for planning and coordinating the work of the section, and for the analysis of problem areas which affect production and for the production of engineering and/or redesign which improves productivity, ease of use, non-usage of critical materials and reliability of infrared and electro-optical weapon systems. The position requires a thorough knowledge of Physics. Additionally, the incumbent must be familiar with basic electronics, infrared technology, optics, infrared and electro-optical test equipment, elements of design and production processes.

File applications with Dana Childers, Bldg. 34, Rm. 32, Phone 71393.

Editorial Assistant, GS-4, Code 4013-Vacancy located in Weapons Development Department, Technical Services Division. The incumbent performs a variety of editorial work under the assistance of a Technical Writer Editor for Code 4013. Performs additional responsibilities of co-ordinating contracted editorial and illustration work.

Qualifications Required: One year general office clerical experience, plus two and one-half years clerical experience related to editorial work which has provided editorial skills and knowledge. Must possess ability to accomplish work with high degree of accuracy under extensive amount of pressure.

File applications with Lynn Standard, Bldg. 34, Rm. 28, Phone 72218.

Physical Scientist or Engineer, GS-13 or 14 (one vacancy), Code 151-The incumbent will be an assistant to the Special Assistant to the Office of the Technical Director, Code 151. This function involves reviewing technical proposals from the standpoint of the operational need to the Services, technical feasibility, system effectiveness, adequacy and cost effectiveness, accuracy of time and cost estimates, and with respect to the particular task is assigned, analysis of major on-going projects; and long range technical planning.

Digital Computer Programmer, GS-33-11 or 12, Code 174-Incumbent principal responsibility is programming services relative to the computerization of PERT systems for technical projects assigned to the Station. Incumbent may also program financial management data applications and perform mathematical and statistical analysis of such data for solution on digital computers.

Accountant, GS-5 or 7, Code 176 - As trainee accountant, incumbent will receive a six-month formalized training (for GS-5 level). Duties include auditing summarized accounting information with control ledgers, preparing periodic reports, editing and performing analysis of receipts and expenditures, etc.

File applications with Janet Thomas, Bldg. 34, Rm. 26, Phone 71577. Deadline for filing is Feb. 20.

'DESERT PHILOSOPHER'

'Mr. Archery' - Joe Stone



By "POP" LOFINCK

Why aren't more people interested in archery?

The answer is: They don't know about it.

So here I go to try to explain it on paper

Bow and arrow shooting is a highly complex sport with a secondary advantage of survival on occasion — if you get wrecked on a mountain top or in a wilderness area you could live on small game — or shoot fish with a line attached to the arrow. They do that.

For deer hunting archery has a safety advantage because the bow seasons open a month before the regular rifle hunting season and the bombardment begins — so you avoid getting shot at and becoming a casualty.

And archery is a lot more fun, requiring more subtle strategy and woodsmanship; and without the noise of gunfire you feel closer to nature.

JOE STONE — TRUE TOXOPHILITE

We are very fortunate to have on this base an outstanding master instructor — Joe Stone — who is and has been promoting archery for 23 years. Joe is a true toxophilite — one who studies, practices and loves archery.

During this 23 years, Joe has introduced some 2,000 youngsters to archery — ages 9 thru 15. He likes to work with youngsters.

Joe would rather start instructing novices, who know nothing about archery — so they don't have a lot of bad habits and negative quirks to unlearn. He says that it is most important to get correct instruction at the start; to get the basic fundamentals first.

It is also important to have the proper length and strength of bow for the individual. So don't buy a bow until you know.

Most beginners, Joe states, make the mistake of getting a bow too strong. That affects the accuracy of their marksmanship, which is discouraging for a beginner.

Over the years bows have advanced as much in scientific construction as guns have.

In the past, good bows have been made of yew wood, osage orange, lemon wood, Swedish steel, aluminum and fiberglass. The finest bows today are made of laminated maple and fiberglass — far superior to any bows made in the past.

SOME TIPS ABOUT LEARNING

Joe states "One hour a week, under a competent instructor; six sessions should get the fundamentals down good. And no session should last more than an hour at a time."

The four basic fundamentals are anchor — aiming — release and follow through.

Depending on the amount of practice and how closely the individual adheres to the fundamentals — in two months of conscientious practice, he should be ready for competition.

Joe points out many instances of an individual starting from novice and in six months entering highly competitive state tournaments and winning. Such a person is, of course, a natural, with competent instruction.

The local adult club, The China Lake Bowmen, shoots every Tuesday evening at 7 p.m. For further information call Joe Stone — phone 73082.

Hunting archery is quite different from target archery. Joe has done both and can instruct in either.

A regular hunting license qualifies you to hunt with bow and arrow and later with gun.

Hunting requires a stronger bow. The law states that it must propel an arrow 150 yards at a 45-degree launch angle with a hunting head 7/8" wide or wider and have a pull back of 28 inches — that means approximately a 40 to 45-pound bow.

ARCHERS EVEN HUNT ELEPHANTS

Bows are made for hunting elephants with a 125-pound pull. That takes an expert with lots of muscle. Yes, they do kill elephants with bows and arrows.

The lethal potential of the bow is not generally realized. Joe says that history tells us that at the battle of Hastings, 16,000 men were killed in a four hour battle. That was the record until the Hiroshima bomb drop.

In the April 18, 1958 issue of the Rocketeer was an article about how Joe Stone had organized archery on the base through his determination and vision and effort.

Within a few days after publication a letter was received by the Station Commander, Captain W. W. Hollister, from the Chief of Naval Personnel requesting information and standards from Joe Stone as to how archery could be incorporated in a Navy-wide recreational program.

Joe's outstanding ability as an organizer and instructor has continued to grow ever since.

He now has a modern archery hobby shop and a practicing range along side his house — and an average of about 50 junior archers use the range each week.

And he will loan equipment to the novice to get started. A passing thought:

Besides being a great sport, archery has a practical slant. If this thing we call civilization should be destroyed — the skilled archers would be the people best qualified to survive and start over again.

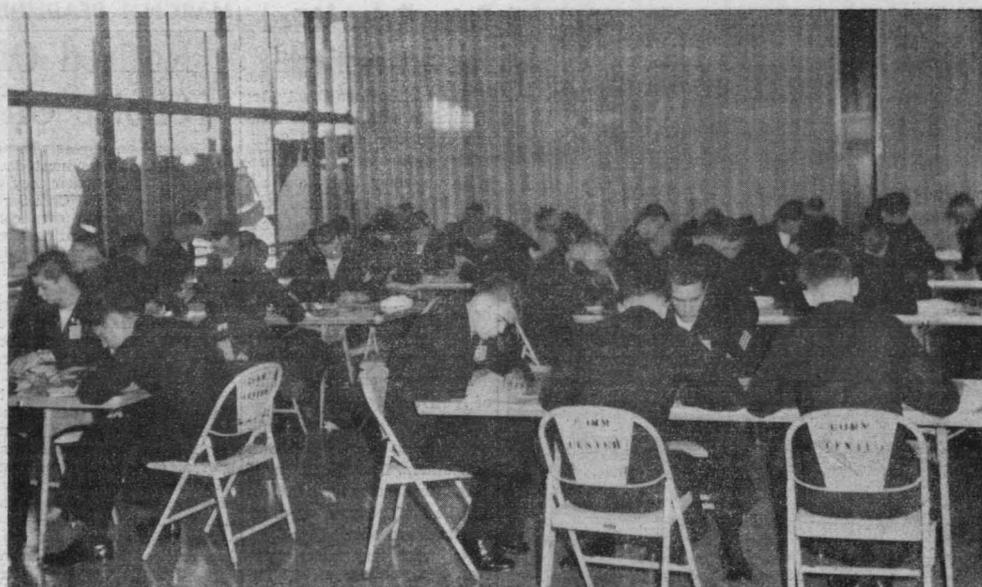
422 EM Here Complete Exam For Promotions

Four hundred and twenty-two enlisted men from NOTS, NAF and VX-5 took part in the February service-wide competitive examinations for higher ratings.

Hoping for promotion to Chief Petty Officer (E-7) are 41 men from NAF, 23 from NOTS and 14 "Vampire Squadron" men.

In the first class (E-6) exams, NAF sent 62, NOTS 28 and VX-5 27. Going for second class badges were 73 Naval Air Facility men, 38 from NOTS and 24 from VX-5. Eager to sew on their first "crow's" are 61 NAF-ers, 30 squadron men and 11 from the NOTS side.

A total of 237 from NAF, 100 NOTS men and 85 VX-5ers participated in the exams which were conducted at the Community Center.



GOING FOR THEIR FIRST 'CROW', here are some of the more than 400 men from NAF, NOTS and VX-5 who took part in the service-wide examinations. Seventy-eight tried for CPO, 117 for first class, 135 for second and 92 for third.

BOWLING NEWS

By Dick Zinke

865 Scratch

Chuck Cutsinger locked out the opposition with some fine bowling by posting games of 177, 211 and a torrid 244 which gave him a 631 series for the night. The Station Restaurant in making their bid for first place bombed the Chief's for three games with scores of 869, 933 and 982 for a 2784 series.

Women's Scratch

Margy Zinke had a grand night on the boards by setting the league high game at 237 and also came out on top in the series department rolling a fine 568 (nice to have one person in the family who can bowl).

Not far behind was Mary Jane Clark shooting a big 233 game to take over the 2nd spot in the league high game standings, while Patty Maxwell rolling a 212 game had a fine series of 559 to take over 2nd high series in the league. Carole Plante also broke the 200 mark with a 205 game while setting an average.

Midway

Gordy Zurn, Jr. bowled the big game of the night by stringing out a number of strikes for a 244 while Fred Dalpiuz put on a display of consistent bowling and shot a fine 610 series. Other good scores for the night were Gordy Zurn's 597 and Jack Miner's 592 series. The Pincrackers took team honors with a 900 game and a series of 2602.

Women's Handicap

Norma Marquardt summed up the bowling news for the Women's Handicap by saying, "This is what happens when the City Tournament is over." Val Strommen, 509; Norma Marquardt, 503; Pat Maddux, 499; Bettie Hardy, 498; Charlotte DeMarco 497; Ermma Erickson, 497. Sally Zabelka, 207; Betty Cartwright, 206; Betty Hardy, 200; Norma Marquardt, 198; Ermma Erickson, 190.

Mixed Foursome

The Wild Ones enjoyed a fine night of bowling paced by Haley Johnson's 224 game and 593 series to take team high game and series of 705 and 1928 respectively.

Lorraine Johnson bowled her first 500 series with a 190 game and ended up with a 526. Patty Maxwell also turned in a 512 series while Carol Smith, a 113 average bowler, rolled a beautiful 182.

Burros Hoopsters Battling Hard as Season Nears End

The Burroughs Varsity basketball team clung to second place this week with a four-win and two-loss record, as Victor Valley stayed on top with a 6-0 record.

The B team is in first place in their division with a 7-1 season record. Antelope Valley is second with six wins and two losses. The C's, emulating the Varsity big boys, are second to Victor Valley. The first placers have an 8-0 season record, and the Burro C team has won seven and lost one game.

Last Friday, the Varsity lost to Palmdale 65-63. But the B cagers beat their Palmdale rivals 61-54, and then on Saturday scored a rather victory over Quartz Hill, 56-37. In their two games, the C's whipped Palmdale, 50-36, and Quartz Hill 43-22.



DRILLMASTER J. C. Lujan, YN2, receives letter of commendation at VX-5 inspection from skipper, Cdr. Jack M. Manherz. Cited for his work in organizing the "Vampire" squadron's drill team, Lujan was one of three men honored. A. J. Shirey, ADJ2, was designated Aircrewman, and Good Conduct medal was awarded to D. E. Stelter, AE2.



TROPHY WINNERS of the 12th annual Junior Archery Tournament sponsored by Joe Stone are (l-r, standing) Craig Bartlett, Cliff Ward and Jim Brown, second, first and third, respectively, in the 12-15 age group; and (front, l-r) Randy Stedman, first, and Carl Finch, second, in the 9-11 age group. Gregg Ritchie was third. Trophies were donated by the United Bridge Club here. Read "Pop" Lofinck's column about archery on Page 2.

Income Tax Information

If an employee is absent from work because of sickness or injury but continues to receive pay from his employer, such payments may be excluded from income as Non-Taxable Sick Pay.

Beginning in 1964, Congress has sharply reduced the sick pay benefit. The new rules do not apply to any absence which began in 1963, even if the absence runs into 1964. There are now two sets of rules for sick pay deductions depending on whether the pay received by you is over 75 per cent or under 75 per cent of your regular income.

If your sick pay is over 75 per cent of your regular weekly rate (Federal Employees), no sick pay exclusion is allowable for the first 30 consecutive days of absence. This rule applies even if you are hospitalized. However, payments received for all absences in excess of 30 days may be excluded to the extent of \$100 per week.

If your sick pay rate is 75 per cent or less than your regular weekly pay rate and if you are hospitalized at least one day, you may exclude up to \$75 a week for the first 30 days of your absence, beginning with the first day of absence.

If you are not hospitalized, no exclusion is available for the first seven days, but you are entitled to \$75 per week starting with the eighth day of absence and ending with the 30th day of absence.

For absence in excess of 30 days, the old \$100 per week maximum will apply.

For federal employees it is immaterial whether your absence is charged to sick or annual leave, so long as you were absent from work and not expected to work because of injury or sickness. However, terminal leave payments are never exempt from tax.

Long Distance Phone Rates Start at 8 p.m.

Lowest long distance telephone rates now start at 8 p.m. instead of 9 p.m., according to Lois Stevenson, chief operator, and also apply any time on Sunday. The new rates only pertain to "out of State" station-to-station calls.