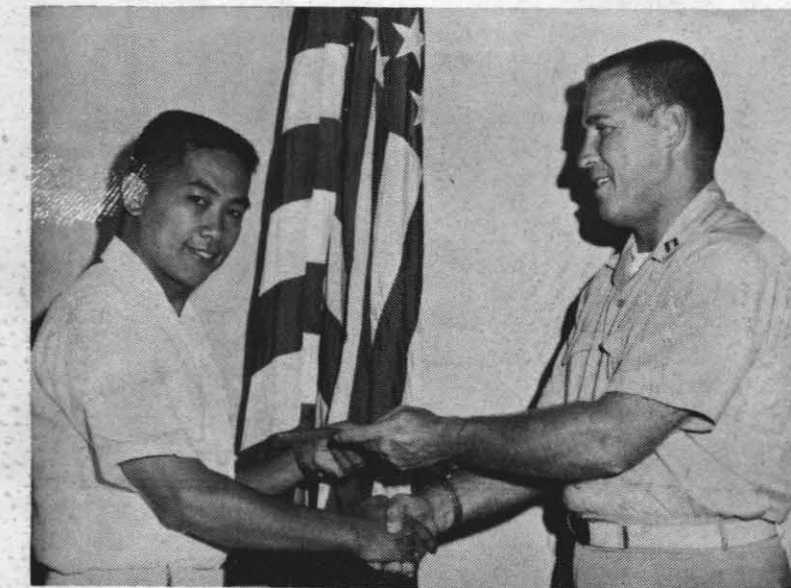




ANY DOUBT OF SUCCESS? — No doubt whatsoever that the China Lake Day Nursery's annual picnic was a resounding success. The smiling — and cake and ice cream-smearing faces of twins Catherine and Christopher Comstock, 2, are all the evidence needed. Scores of tots who attend the nursery at Halsey and Parsons — and their guests — had a really grand time on May 26.



FOLLOWING UP HIS PROMOTION of May 16 to Ship's Serviceman Second Class, Enrique Carbon Balan invests in six more years of Navy service. Lt. William Elrod, Executive Officer, NOTS Enlisted Personnel, presents him his enlistment articles. Balan, assigned to the Commissary, is a native of Bani, Rep. of Philippines.

SHOWBOAT Baccalaureate Service For Burroughs Sunday

FRIDAY JUNE 4
 "BEACH BLANKET BINGO" (99 Min.)
 Frankie Avalon, Annette Funicello
 7 p.m.
 (Comedy in Color) In this latest session in the Beach Party series the teenage surf set adds sky diving to the customary sexy beach high jinks, singing and frugging. There are the usual jealousies and tangled romances, and the party-crashing of Harvey Lembeck with his leather-jacketed, delinquent gang of motorcycle toughs. (Adults, Mature Youth.)
 Short: "Today's Teens" (10 Min.)

SATURDAY JUNE 5
 —MATINEE—
 "LONE RANGER IN LOST CITY OF GOLD" (81 Min.)
 Clayton Moore
 1 p.m.
 Short: "Canine Caddy" (7 Min.)
 "The Monster and the Ape" (19 Min.)

—EVENING—
 "THE LONG SHIPS" (125 Min.)
 Richard Widmark, Sidney Poitier
 7 p.m.
 (Adventure in Color) Brawling story of a reckless Viking who learns of a golden bell and defies the torture of a Moorish chieftan who also seeks the treasure. This is crammed with shipwrecks, battles and raids at sea and ashore. Exciting! (Adults, Youth, Children.)

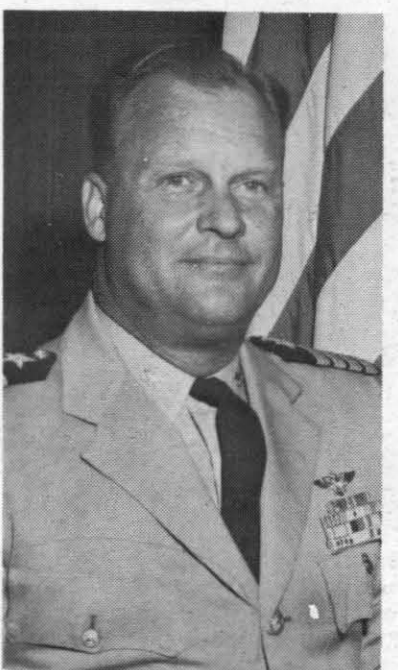
SUNDAY-MONDAY JUNE 6-7
 "MAJOR DUNDEE" (134 Min.)
 Charlton Heston, Richard Harris, Jim Hutton
 7 p.m.
 (Western in Color) CO of a New Mexico prison camp assembles a troop of inmate volunteers to form an expedition against the fierce Apache. Never a dull moment in this action-packed adventure with intrigue and comedy, filmed in Mexico. (Adults, Mature Youth.)

TUESDAY-WEDNESDAY JUNE 8-9
 "MARRIAGE ITALIAN STYLE" (99 Min.)
 Sophia Loren, Marcello Mastroianni
 7 p.m.
 (Drama in Color) The beautiful mistress of a wealthy business man tricks him into marrying her in order to provide a name for her three sons—one is his! But which one? Love makes the world go 'round—the Italians make it spin! Frank, and Adult.

Short: "Assult and Pepperc" (7 Min.)

THURSDAY JUNE 10
 MURRAY SCHOOL GRADUATION
 7 p.m.

FRIDAY JUNE 11
 "DEAR HEART" (114 Min.)
 Glenn Ford, Geraldine Page
 7 p.m.
 (Drama) An eagerly friendly small town postmistress is rejected by the coldhearted city slicker until she meets a visiting salesman who is about to be married. She sets out to solve HIS problems and finds romance herself. (Adult.)



CAPT. R. R. YOUNT . . . baccalaureate speaker

Movies to Start Half Hour Later Beginning June 11

Commencing Friday, June 11, the starting time for movies at the Station Theatre will be 7:30 p.m., according to Lt.(jg) D. W. Depierro, Special Services Officer.

Special feature movies will be shown at 6 and 8:15 p.m., he said.



CIVIC CONCERT ASSN.'S new members of the Board of Directors are Lorraine McClung, Billie Hise, Kenneth Heyhoe and Chaplain Mark Fite. They were elected at the May 26 meeting.

From _____

TO _____

PLACE STAMP HERE

Big Navy Relief Fund Drive Dance Tomorrow Night

Tomorrow night is the night of the gala Navy Relief Society dance at the Community Center, the crowning of the fund drive "Queen," and the awarding of the three major prizes.

Queen Candidates
 "Miss Navy Relief" will be crowned at 10:30 p.m. She will be selected from among five candidates.

Candidates are Charlotte Blackmon, 17, a Burroughs High School senior; Janice Hukel, 19, a Supply Department employee; Edie Ingram, 21, a Navy Exchange Office employee; Diane Konrady, 19, a Command Administration Department employee; and Roberta Yoder, 15, a Burroughs High School freshman.

Selection will be based on the amount contributed to Navy Relief in the candidate's name; the number of donation tickets collected by each candidate, and the number of dance admission tickets deposited for the candidate.

Award Prizes at 10:30 p.m.
 Winners of the three major prizes, a 1965 Ford Mustang, a 21-inch color TV console set and a Honda 90 motorcycle will be announced following the crowning of "Miss Navy Relief."

Donation tickets will be available right up until 9:30 p.m. They are available from Navy Relief representatives in all the Station Departments and military units as well as from the "Queen" candidates.

Representatives will be on hand at the dance to accommodate late patrons right up to 9:30, fund drive chairman LCdr. Don Bunker stated.

Dance Tickets at Door
 Dance ticket donations at \$1.50 each for adults and \$1 for high school students are available from the various representatives and at the door.

Each admission ticket also counts towards votes for a "queen" candidate.

Music by Californians
 Maynard Craig's popular 10-piece "Californians" will provide the dance music from 8:30 p.m. to 12:30 a.m.

Craig, who has been dispensing dance music for the past 30 years, has an aggregation that swings out with the latest tunes for the younger set or plays the melodies of the '30s and '40s or "pop" and "standards" of the present era, plus "Dixieland."

The "Californians" have a distinct style of their own and a library of over 100 special arrangements by the nation's number one arranger, Glenn Osser.

Vol. XX, No. 22 NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIFORNIA Fri., June 4, 1965

Rocketeer Switches To Offset Printing Process



Big Step In 21-Yr. History Of the Paper

Another major milestone in the progress of the Rocketeer is reached today with the Station newspaper being printed by a modern offset process, the first time in its more than 21-year history.

From a very humble beginning in January, 1944, when the paper began as a typed and mimeographed sheet, it has come a long way. The first editions, then known as THE NOTS NEWS, were prepared by volunteer secretaries.

Now under contract to Hubbard Printing, Inc., in Ridgecrest, the Rocketeer is being produced with some of the most modern offset equipment available, including a new Goss Community three-unit web offset press.

"Each of the three units is capable of printing and folding (Continued on Page 3)

NEW WEB-OFFSET three-unit press can print Rocketeer at the rate of 10,000 copies per hour. Making final check of the equipment is Chet Morgan, shop foreman at Hubbard Printing, Inc.

Three China Lake Hikers Rescued by NAF 'Copter

Three China Lake residents, exhausted and trapped in a blind gorge between the Saline Valley and Owens Lake and suffering from dehydration, were rescued by a helicopter from Naval Air Facility at 9 a.m. Tuesday, June 1.

Wilbur J. Beard, 57, his son, Raymond, 15, and Scott R. Hargrove, 44, spent two days without water, and were unable to eat their food, after they lost the trail in the rugged country 75 air miles north of NOTS.

Beard and Hargrove are employees of Public Works carpenter shop. Beard's son is a sophomore at Quartz Hill High School in Lancaster.



***** MORE WAVES ASSIGNED TO NOTS *****

It is expected that within a very few days, the WAVES will have acquainted themselves with the station and our organization.



After over a year of duty on stations to which were attached a number of the Navy's WAVES, we are convinced that very shortly these girls will be doing everything in their power to expedite (good old Navy word) the work of this station. So, WAVES, we salute you and the indomitable spirit that has sent you forth in the uniform of your country, to serve faithfully, side by side with the men of the NAVY.

Last Tuesday evening the first large contingent of NOTS WAVES arrived on the station for duty. We regret our inability at this time to provide photos with the names, but for your information, we present in the usual fashion, from left to right: Marion Janet Gronowicz, USN; Margaret Moorhead Kappelman, USN; Catherine Hixon, USN; Priscilla Roberts Sides, USN; Helen DeThorn Williams, USN; Elma Herbert Ostrander, SSG; Gene Werhliano Angles, SSG; Helen Maurine Christen, SSG; Theresa Armito, SSG; (next Page)



'THE CALIFORNIANS' led by Maynard Craig will provide the music tomorrow night at the Navy Relief Society Fund Drive Ball at the Community Center.

ONE OF THE FIRST editions of the NOTS NEWS, dated July 24, 1944, told of "More Waves Assigned to NOTS." The 8 1/2 x 13-inch paper was then mimeographed.

Answer to Previous Puzzle

CROSSWORD PUZZLE

ACROSS

- Talk idly
- Heaps
- Topmost ornament of pinnacle
- Gravestones
- Prefix: not
- Snare
- Small island
- Knock
- Babylonian hero
- Fruit drink
- Portico
- Choose
- Conjunction
- Taut
- Holds in high regard
- Prima donna
- Measure of weight (pl.)
- Wrongful act
- Moving part of motor
- Printer's measure
- Was mistaken
- Nerve network
- Total
- Musical pitches
- Inlet
- Spare
- Pith helmet
- Hypothetical force
- Moon goddess
- Negligent
- Puff off
- Vapid

DOWN

- Buccaneer
- Registered nurse (abbr.)
- River island
- Biblical weed
- Puff up
- Postscript (abbr.)
- Pronoun
- Hawaiian wreath

ETC OT ROLES
 ORANGE ERODED
 NEW ARRIVES NIT
 AS ESNE ERIN
 ONUS EIRE ALE
 STRIP ATES ER
 ETON SLOW
 TR SUES SWEET
 DEL TRIP STAB
 ELIA TEARS ST
 AL PRIMATE TIS
 SCREED TENANT
 TIDES EM AGA

44-Beloved ones point
 47-Small valley
 49-Barracuda
 52-Ship's clock
 54-Wine cup

57-Compass
 58-Teutonic deity
 30-Prefix: not

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COM Calendar

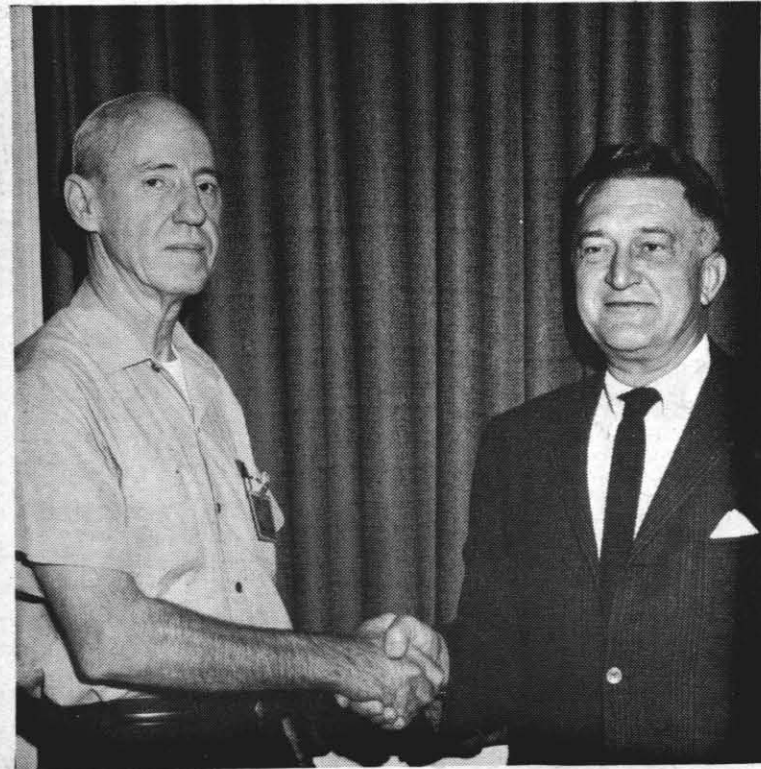
Tomorrow evening . . . the 5th . . . we'll have the Wilson McGrath Trio back with us. Their versatile style brought many favorable comments after their appearance at the St. Patty's party. So come on to the Club and enjoy some good music and dancing.

This weekend will initiate our new Sunday Buffet on the Lanai. To be served from 5 'til 7 p.m., the buffet menu will vary and the price will not go over \$2.00 with half price for children twelve and under. The dress will be casual with bathing suits included, so come enjoy an easy Sunday at the poolside topped by a delicious buffet supper.

Tomorrow, the pool will be closed until 1 p.m. to accommodate another meet of the Indian Wells Valley Swim Team. This invitational meet includes Mo'jave, Barstow and Indian Wells Valley.

Pat Shannon.

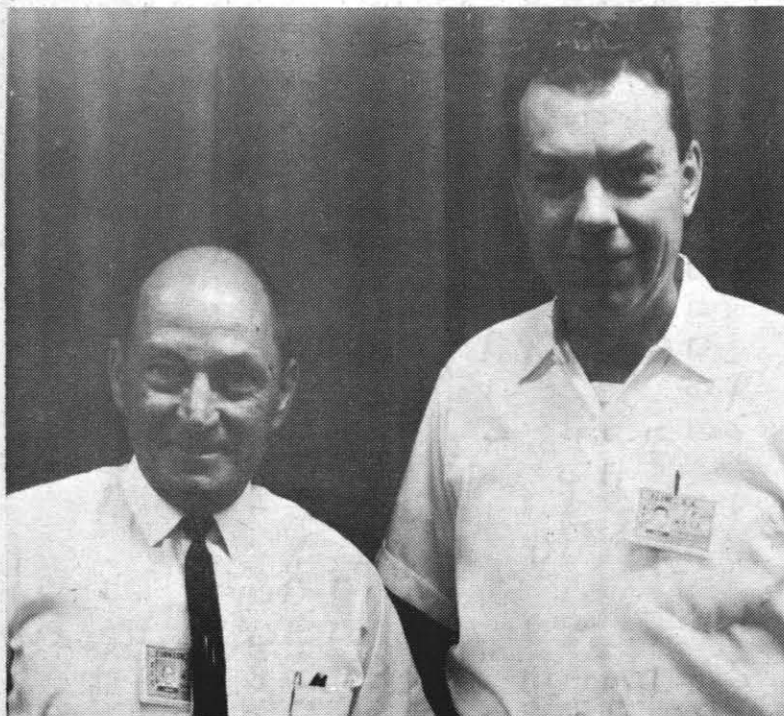
Code 55 Awards



30-YEAR FEDERAL service pin was presented to Lewis A. Lamb, Code 5515, by H. G. Wilson, Associate Technical Director, during awards ceremony of the Engineering Dept. In two tours of service here at NOTS, beginning in 1958, Lewis has always worked in the Standards & Calibration Laboratory Branch.



20 YEARS AT NOTS brings service recognition pin to Maurice J. Curtis, Staff Engineer for the Engineering Dept. Making presentation is department head K. H. Booty. At NOTS since April, 1945, Curtis assisted in securing much of the technical equipment which initially outfitted Michelson Laboratory.



20-YEAR FEDERAL service pins went to Floyd Furnish (left) production materials specialist, and Riley K. Kline, model maker (machining). Furnish has been a China Lake employee since September, 1945. Except for some time to return to school, Kline has worked here since January of 1947.

Weapons Control Systems Symposium Starts Tuesday

Scores of representatives from military and civilian research laboratories throughout the nation will gather here next Tuesday, Wednesday and Thursday to attend the second "Digital and Hybrid Shipboard Weapons Control Systems" Symposium.

The Bureau of Naval Weapons is sponsor and NOTS is official host.

Four technical sessions are to be held, followed by a tour of the weapons control facilities here. The material to be covered will be limited to the problems relating to surface launched weapons control systems in a shipboard environment, using digital or hybrid computers for data processing.

Conference Chairman is Fred M. Ashbrook, Code 304; Joel Trimble, Code 3042, is Arrangements and Papers Chairman, and Dr. Ivar Highberg, Head of the Test Department, will make the opening remarks at the Community Center following a welcome address by Capt. Leon Grabowsky, Station Executive Officer. L. S. McDonald will be the BuWeps representative.

A total of 25 papers will be presented at the symposium.

China Lake personnel presenting papers will be A. V. Pratt, K. O. Bryant, Ray Morrow, D. P. Ankeney and William Zinn, all of the Test Department. Representing NOTS Pasadena will be Paul McCann of the Systems Development Division.

Organizations Accept

Among organizations which have accepted invitations to the conference are U.S.N. Ordnance Laboratory, White Oak, Silver Spring, Md.; U.S.N. Electronics Lab, San Diego; U.S.N. Ship Missile Systems Engineering Station, Port Hueneme; Naval Weapons Lab, Dahlgren, Va.;

Applied Research Lab, Johns Hopkins University, Silver Springs, Md.; Bell Telephone Laboratory Winston Salem, N.C.; Bendix Corp. Research Laboratories Division, Southfield, Mich.; Bunker-Ramo Corp., Canoga Park, Calif.; Cadillac Gage Co., Detroit; Control Data Corp., Government Systems Division, Minneapolis; General Dynamics, Pomona;

General Electric Co., Los Angeles; General Precision, Inc., Los Angeles; Honeywell, Inc., St. Paul; IBM Corp., Federal Systems Division, Washington, D.C.; Litton Industries Inc., Canoga Park, Calif.; Lockheed Electronics Co., Plainfield, N.J.; Raytheon Co., Wayland Laboratory, Wayland, Mass.; RCA Defense - Electronics, Moorestown, N.J.; Sperry Gyroscope Co., Great Neck, N.Y.; Sylvania, Electronic Systems, Waltham, Mass.; Univac, Division of Sperry Rand Corp., Los Angeles; Vitro Corp., Silver Spring Md., and Westinghouse Electric Corp., Baltimore, Md.

All sessions will convene at the Community Center. Dr. Harold Titus of the U.S. Naval Post Graduate School, Monterey, will be moderator of the first session, "Computation and Data Processing," at 9 a.m. Tuesday. L. S. McDonald, BuWeps, is scheduled as moderator of the second session, "Computer Organization, Systems Simulating and Computer Programming," and also for the third session, part one, "System Integration Techniques."



DR. IVAR HIGHBERG Makes Opening Remarks



JOEL TRIMBLE Arrangements Chairman

Moderator of the third session, part 2, on Wednesday will be Lieutenant K. C. Malley USN, also of BuWeps. The fourth session, Wednesday afternoon, will be conducted by Dr. S. R. Neal, Code 304, on "Systems Design Concepts."

Reception at COM A reception and dinner hon-

Charcoal Cooking Holds Little Known Hazards

Cooking with charcoal has become very popular in recent years; so much so that charcoal is frequently used indoors as a fuel. This is potentially dangerous.

In one case some people on a camping trip were cooking with a charcoal-fired brazier, outside their cabin. It started to rain, so the brazier was brought inside the cabin, where cooking continued. As a result the campers suffered carbon monoxide poisoning.

The charcoal briquets had been packaged in sacks bearing the following words: "Easy to light and quick to give off heat

and long lasting. Ideal for cooking in or out of doors. Excellent for picnics and for emergencies." However, the briquets were a manufactured product (carbon to which chemicals had been added). This combination can result in a high concentration of carbon monoxide if used indoors without adequate ventilation.

Charcoal briquets can be used safely for indoor cooking, but only if the gases of combustion are carried off to the outside. About the only safe place for this sort of cooking is the fireplace.—Bethlehem Steel "Safety Bulletin."



LTJG. KENNETH H. WOLF reports from the USS Springfield to take over duties as Terrier Tarter Officer with the Test Dept. He is married to the former Marilyn Smith of Niagara Falls, N.Y. They have three children, Kevin, 12; Patricia, 10; and Laura, 3 mos. The family will join him in July.



TAKING UP DUTIES as new Assistant Operations Officer at the San Clemente Island facility is ENS John A. Curran, who received his commission at Pensacola in August, 1964. ENS Curran completed helicopter pilot's training there, and brings with him, in addition, the "rank" of Master Scuba Diver from his Midwest Diving Council activities in Kansas.



THE GYMNASTICS CLASS at the Station gym has received enthusiastic response, especially at the Saturday morning children's classes, reports Mrs. Richard A. Frederick, organizer and instructor. Here, two of her helpers show the youngsters balance and technique for handstands. Last Saturday the children and their parents were treated to a demonstration by the Bakersfield College gymnastics team.

Vampires Down Public Works; NOTS Dumped by Sidewinders

In the first games of the new Intramural Softball Schedule, played at the Beer Hut Diamond, the VX-5 Vampires downed Public Works, 3-2, and the Sidewinders defeated NOTS, 12-11.

Public Works Plays Kernville Tonight

Softball action is slated at 8 tonight on the Beer Hut diamond between Public Works and the visiting Kernville Merchants.

Manager Pete Zamarron of the local club lists his starting lineup as Jim Dowda, first base; Billy Craddock, second base; Jim Lloyd, short stop; Rivers, third base; Guillum, right field; Gene Smith, center field; and Bob Short, left field.

Twirler Billy Brown will open the tilt with relief veteran ace chucker Bobby Kochman on tap to dowse any fires. The team's stalwart Ar Craddock will work behind the plate.

Center fielder Gene Smith is probably one of the best pasture men in the local Intramural League. He robbed VX-5's heavy slugger, Jim Hauser, of a home run last Tuesday night with an incredible shoestrung catch.

If the going gets rough, Zamarron can call on a quartet of reliables in Tommy Galyon, Wayne Jackson, Bob Stuart, and Manuel Amparano.

SPORTS QUIZ

GENERAL MESS MENU

- TODAY, FRIDAY, JUNE 4 D-Corn chowder, fried fish, fried scallops, salmon croquettes, escalloped potatoes, mixed vegetables, stewed tomatoes, seafood cocktail sauce, sandwich bar No. 6, salads, lemon pie. S-Baked chicken and noodles, hot biscuits, asparagus, spiced beets, cranberry sauce, salads, strawberry shortcake, whipped cream. SATURDAY, JUNE 5 B-Cereal, fruit, juice, fried eggs, grilled ham, waffles, syrup. 1000 Add: Vegetable soup, grilled cheese sandwiches, potato salad, salads, ice cream. 1000 Omit: Grilled ham, waffles, syrup. S-Italian spaghetti, meat sauce, garlic French bread, squash, green beans, salads, jello, ice cream. SUNDAY, JUNE 6 B-Cereal, fruit, juice, fried eggs, pork sausage links, waffles, syrup. 1000 Add: Cream of tomato soup, egg salad sandwiches, macaroni salad, salads, ice cream. 1000 Omit: Pork sausage links, waffles, syrup. S-Roast beef, mashed potatoes, gravy, escalloped corn, cabbage relish, salads, coconut cream pudding, whipped cream, iced cold drink. MONDAY, JUNE 7 B-Cereal, fruit, creamed beef, hash brown potatoes, blueberry hot cakes, syrup, glazed doughnuts. S-Oven roast veal, mashed potatoes, brown gravy, French fried cauliflower, peas and mushrooms, sandwich bar No. 5, salads, chocolate easy cake, iced cold drink. TUESDAY, JUNE 8 B-Cereal, fruit, grilled ham, fried eggs, French toast, syrup, iced snails. D-Grilled pork steak, baked sweet potatoes, brown gravy, corn, applesauce, salads, sandwich bar No. 1, coconut cream pie, iced cold drink. S-French onion soup, frankfurter and green bean casserole, grilled potato patties, tomato gravy, mixed vegetables, salads, iced brownies, chilled pineapple. WEDNESDAY, JUNE 9 B-Cereal, fruit, pork sausage links, fried eggs, hot cakes, syrup, pecan rolls. D-Yankee pot roast, browned potatoes, vegetable gravy, broccoli, squash, sandwich bar No. 2, salads, peach meringue cake, iced cold drink. S-Grilled cheeseburgers, French fried potatoes, mushroom gravy, pinto beans, fried onions, hot hamburger rolls, salads, chocolate drop cookies, ice cream. THURSDAY, JUNE 10 B-Cereal, fruit, minced beef, hash brown potatoes, French toast, syrup, iced braids. D-Swiss steak smothered with onions, parsley potatoes, brown gravy, glazed carrots, beets, sandwich bar No. 6, salads, apple pie, ice cream, iced cold drink. S-Chili con carne, steamed rice, escalloped corn, garlic French bread, Bavarian cabbage, salads, peach shortcake, whipped cream. FRIDAY, JUNE 11 B-Cereal, fruit, crisp bacon, hash brown potatoes, hot cakes, syrup, iced cake doughnuts. (MENU SUBJECT TO CHANGE)

- 1. When was the first world championship game between divisional winners of the National Football League (The Chicago Bears beat the New York Giants, 23-21) played? 2. The Boston Red Sox stole only 15 bases in their first 101 games in 1964. How many did they cop from June 28 to July 26? 3. How many race horse owners have won the Marguerite Stakes at Pimlico twice? 4. Hank Aaron of the Milwaukee Braves has averaged how many runs-batted-in per year over the past five seasons?

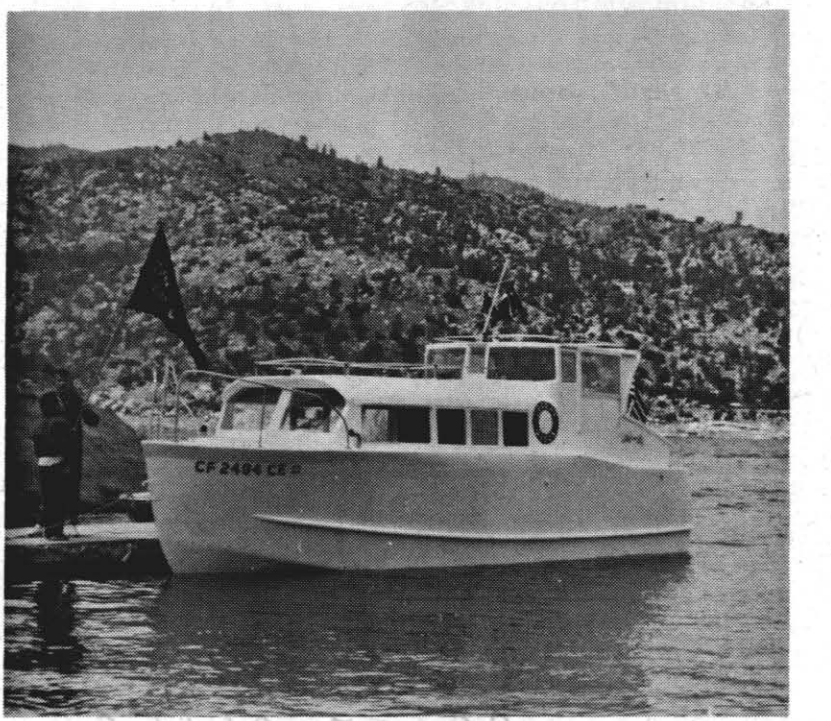
Answers to Quiz

- 1. December 17, 1933. 2. Mary a one, honestly. 3. Though invariably won by a major stable, no owner has done it yet. 4. Aaron has an RBI average of .125.

Young Archery Champs



STRAIGHT SHOOTERS—Winners of the Annual Archery Tournament for China Lake Elementary and High School Special Classes pose with their trophies after the shoot at the Joe Stone range at 57-B Rowe St. Front row (l-r) Tony Carthan, Leslie Eastmon, Bill Morris, Charles Garcia and Sheila Peters. Second row: Joan Krakowiak, Cathy O'Neill, Eugene Howell, Carlos Quintong, Barbara Eastmon, Joel Sackreiter. Third row: Harrel Thomason, James Howell, Mike Dille, David Shideler and Ruby Eastmon. Trophies were donated by the CPO Wives Club and by the Chi Alpha chapter of Beta Sigma Phi.



'Desert Queen' Is Launched!

FIVE LONG YEARS of hard backyard labor paid off for Art New of Code 40 on May 22 when his jet-powered boat, "Desert Queen," was launched with much fanfare at Lake Isabella. Fete was celebrated by many members of China Lake Boat Club of which Art is ex-Commodore. At right, Mrs. New launches boat with traditional bottle of champagne.



NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638

Softball Schedule

Following is the new season schedule of the ESO-sponsored NOTS Pasadena Softball Club. All games are played at Brookside Park. The game of June 30th will begin at 7 p.m. All other games start at 9:05:

- June 10
Diamond 3 — Bresee
- June 18
Diamond 2 — Montrose Merchants
- June 23
Diamond 3 — Pr. Chamber
- June 30
Diamond 3 — Alchemists
- July 14
Diamond 2 — Dy Dee Service
- July 23
Diamond 2 — Giant Red Birds
- July 28
Diamond 2 — Montrose Merchants
- August 4
Diamond 2 — Alchemists

Summer Bowl League Begins

By Ray Hanson

The 10-team NOTS Pasadena summer league is off and bowling at the Bahama Lanes. Team Seven, consisting of Jeannine Wolfe, Bill Alberts, John Pernicka, and Irene and Bill White, took the league lead by winning four and losing none.

Three teams are bunched for second place with 3-1 records: Team Ten (Jan Cardwell, Ruth Neff, Jim Martin, Jerry Miller, and Mert Welch), the El Toros (Nova and Len Semeyn, Dory and John Aitchison, and John Watkins), and the AstroNOTS (Kathy Stanier, Coco White, Phil Foster, Sam Brown and Ray Hanson).

In a meeting after first night play, Mert Welch was elected league president; Bob Marimon, vice president; Bill White, secretary; and Keith Wills, treasurer.

Heart Health

Virginia Olson, Foothill Dispensary nurse, announces a program sponsored by the Los Angeles County Heart Association, which will be presented at 12 noon on June 10 in the Building 7 Large Conference Room.

A film, "Coronary Artery Disease," will be shown after which employees' questions about heart health will be answered by the guest speaker, a medical doctor.

door prizes, which is good news for everybody who needs a door. And best of all, the tickets are only \$1 per person. Call Virginia Spears, Ext. 646, and buy a batch. Or get 'em at the door. Remember, tonight at 9, The Palms, Glendora. Who needs Gomer Pyle??

Four Complete Twenty Years

At length-of-service pin ceremonies recently, four members of the Product Engineering Division were presented with 20-year lapel pins.

Champ Little, Physical Science Technician, has been on station since 1946, during which time he has received an Outstanding Rating for his job performance.

During WWII, Champ served with the Marines and again with the Army in 1950.

Originally from Tennessee, he has been a resident of Covina for nine years, where he resides with his wife, Shirley, and children — Scott 16, Kathleen 14, and Nan 11.

Elma Chapman, Editorial Clerk, began her federal career in Chicago in 1945 for the U.S. Treasury Department. In 1949 she came to Los Angeles with the U.S. Air Force Procurement Office.

During her 15 years at NOTS, Elma has received a Sustained Superior Performance Award and shared in a Superior Achievement Group Award. Elma has a son, Jerome, 22.

A Pictorial Research Clerk, Julia Kinard is a 16-year NOTS



SIGNING HIS shipping articles, R. F. Spoonhoward, YN1, reenlists for six years. Witnessing the event are L. J. McGee, Ship Fitter Chief, and Lt.(jg) C. D. Stender, Enlisted Personnel Officer. Ceremonies took place at NOTS Long Beach Facility.

Ships Over For Six

At a reenlistment ceremony held Thursday, May 27, Reginald Foster Spoonhoward, Sr., YN1, USN, shipped for six.

Spoonhoward's wife, and three children make their home in Hermine. Petty Officer First Class Spoonhoward, who hails from Hermine, Pa., has been serving on San Clemente Island for two years as the "Captain's Writer." In this capacity he handles personnel matters for Officer in Charge, San Clemente Island, Lt. J. E. Schaefer, Jr.



A CERTIFICATE and \$50 check are awarded to Frederick S. Otto, Planner and Estimator (left), for his Beneficial Suggestion for a measuring device to measure the inside diameter of an airframe while on a mandrel in the lathe. Making the presentation is John Lindquist, Quartermaster Mechanic. During his two years at NOTS, Otto has other Benny Suggs to his credit. Originally from Canada, he and his wife, Vida, reside in Long Beach. A son, Darrell 21, is presently in the U.S. Navy.



T. C. BOYLE, Mechanical Engineer in the Product Engineering Division (right), receives a Patent Award and congratulations from J. H. Jennison, Division Head. His fourth such award, Boyle's recent invention is an Adjustable Missile Snubber for the ASROC launcher. With NOTS for 18 years, he entered federal service in 1938 in Washington D.C. He and his wife, Evelyn, with their two sons — Tom Jr., 20, Scott 15, and a daughter — Kathryn 17, reside in Pasadena.

After Tonight It's Too Late

By Ray Hanson

WARNING! Do not go to a movie tonight. Do not bug out to the beach. Do not stay home and stick beans in your ears, either. No, indeed. Don't do any of these things.

Instead, put on your glad rags, grab your straw hat and cane, and swing out to The Palms, two miles east of zippy Glendora, where the ESO is sponsoring its gigantic dance and pie-throwing contest. Music is by Johnny Catron and his orchestra.

The joint starts to jump at 9 p.m., and will continue until 1:30 in the wee. There will be



CAPT. G. H. LOWE (center) officiates at 20-year pin ceremonies honoring (l-r) Champ Little, Elma Chapman, Julia Kinard, and John Lindquist, all of Product Engineering Div.

Rocketeer Now Printed by Offset Process

(Continued from Page 1)

eight pages, tabloid size, or a total of 24 pages at the rate of 10,000 copies per hour," reports Bob Hubbard, owner of Hubbard Printing, Inc., and general manager of the Indian Wells Valley Independent.

"The new process will provide better photographic reproduction, and it also permits color reproduction," he added.

Camera-Processed Plates

Under the new system, full-page printing plates for the press are readied by a camera process. The pages are still prepared, however, with linotype "hot type" as they were for production on the "old" flatbed type press.

Body type and headlines are made up in pages as before, with spaces left open for pictures and other art work. Proofs are read to make corrections. When these are completed, and the pictures are in place, the entire page is photographed and a reproduction plate is processed to be put on the press.

In the case of the Rocketeer, which is normally eight pages and sometimes 12, the same production process must be completed eight or 12 times.

All plates are then installed on the press and it is ready to roll. Since the Rocketeer prints 7500 copies, the press run should be completed in about 40 minutes. In the flatbed process, it took about six hours.

More Preparation Time

It must be emphasized, however, that despite the speedup in the press run, the preparation of each page takes more time and accuracy.

Nonetheless it is a king-size step in the Rocketeer's history.

Going back to the 1940s it was in April of 1945 that the Station newspaper first was named "Rocketeer." This was decided through a "name the magazine" contest. The winner was CDR Gordon N. Lantz, then Supply Officer.

The first edition of the newly-named publication was printed May 10, 1945 on a once-a-month basis. In August of that year the Rocketeer became a semi-monthly newspaper and was printed commercially for the first time. On March 12, 1946, it became a weekly and has been ever since.

Giant Sled Prepared For SNORT

The biggest test sled ever built for the Supersonic Naval Ordnance Research Track was eased slowly through the big south door of Michelson Lab upon completion Wednesday, May 19.

It now rests in two parts at the SNORT laboratory building, awaiting test items from Marshall Space Flight Center at the Army's Redstone Arsenal, Huntsville, Alabama.

The giant sled test enclosure stands nearly 12 feet high and is approximately as wide. It was built to test the effects of rocket engine noise and acceleration on Saturn-Apollo type fuel tank coolant systems.

The vehicle's design began to take shape early in January this year. Its framework and skin were painstakingly put together over a three-month period at Michelson Lab's welding shop under the direction of Sherman A. "Gus" Mead.

"This sled was quite a job for our welders and metal fitters," Mead comments. "Besides its huge size, the tolerances were pretty close and the parts had to be fitted together with extra care. Then we had about an inch clearance to work with in getting it through the south door of the Lab."

The enclosure was built at the Lab in two sections, including a nose section. A "pusher" section, prepared at SNORT's assembly shop, is to be fitted with rocket motors for the test run, and converted from its work with recent Gemini tests for the purpose.

Sled To Aid Future Rockets

"The only thing about the design of this test vehicle you might call difficult for us is its sheer size," says J. G. Rickhoff, head of the Track Projects Branch at SNORT. "It's designer, Gary Fisher; its original project manager, Jack Leininger; and present manager, Bob Bush, really have done a splendid job bringing it into being."

Rickhoff explained that the coolant device to be tested is an advanced system to protect fuel tanks of a moon flight return vehicle that may be used five or so years in the future.

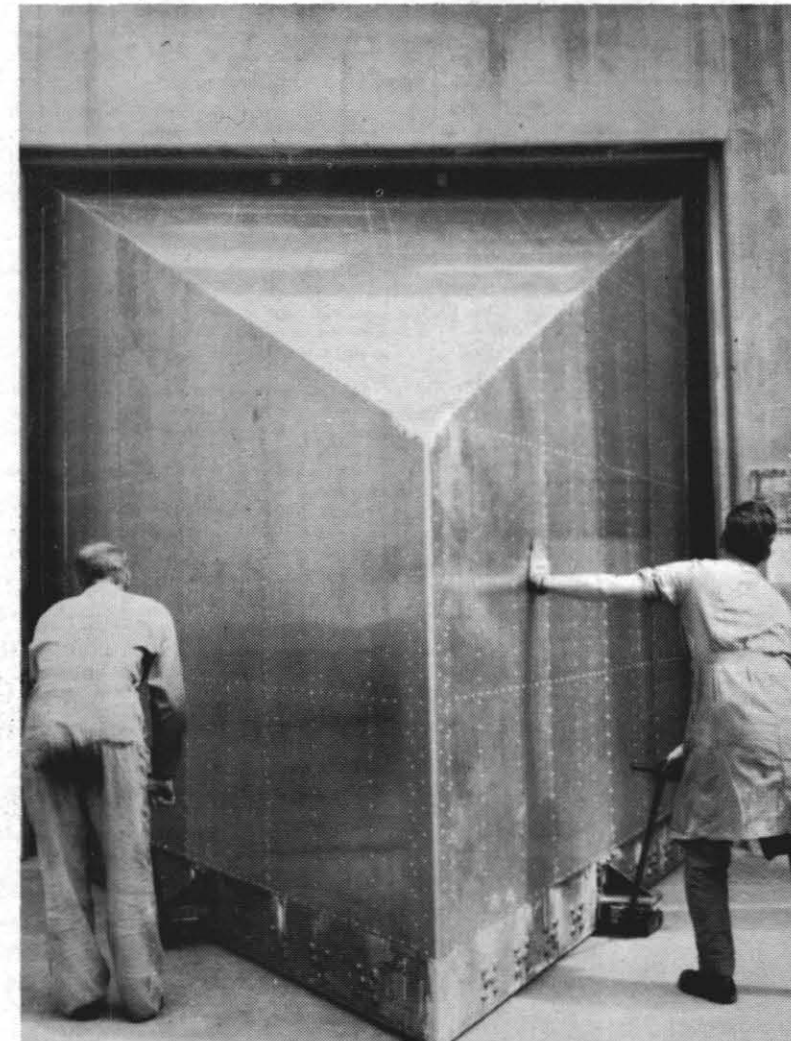
He said plans are to use liquid nitrogen in the coolant plumbing for test purposes instead of the highly unstable liquid hydrogen fuel to be used in actual flight tests.

"The general idea of this design," says Gary Fisher, "is not to impose aerodynamic loads on the vehicle, but to subject the cooling system carried inside to acceleration stress and vibrations simulating giant rocket motor noise."

"The skin panels of the sled shell are designed to vibrate in such a way as to produce some of these noise effects. In addition, the sled's 'feet,' holding it on the track rails, along with their springs, are designed to pass only the desired high frequency vibrations and muffle out the low ones."

The SNORT engineers are full of praise for the Michelson Lab crew that put together this largest of all test sleds. "Those people did an excellent job on a difficult and technically demanding project," testifies Fisher. "I especially admire their welding of the main structure."

"We all think we have an especially good test sled here," adds project manager Bob Bush.



BASE AND FORWARD ENCLOSURE of SNORT's new biggest-ever sled nearly fills Michelson Lab's south door, and it's not out yet by a dozen feet. Workers successfully eased it out on Saturday, May 19, with no more than an inch to spare.

"But just the same, we'll feel better talking it up after we see it actually perform!"

sign," says Gary Fisher, "is not to impose aerodynamic loads on the vehicle, but to subject the cooling system carried inside to acceleration stress and vibrations simulating giant rocket motor noise."

Capt. Graybiel Is 1st Navy Officer Conrad Awardee

Pensacola, Fla.—Captain Ashton Graybiel, head of the Research Division of the Naval School of Aviation Medicine here, was granted the Captain Robert H. Conrad Award for scientific achievement.

This marked the first time the award has been presented to a Naval officer.

The medal and citation presented to Dr. Graybiel during dedication ceremonies at the new \$2.6 million school of aviation medicine, was in recognition of outstanding technical and scientific achievement in research and development for the Department of Navy.

Three China Lake Hikers Rescued By NAF 'Copter

(Continued from Page 1)

out by car Saturday, May 29, with the hikers for a weekend outing. They had let the hikers out near Swansea, at Owens Lake on the west side of the Inyo Mountains, and drove their station wagon to the other side at the edge of the Saline Valley. When the three had not appeared at the other end of their scheduled eastward trek by Monday noon, the women drove to Independence and notified the sheriff's office.

"We were in a pretty primitive area," said Wilbur Beard while resting Tuesday from his ordeal. "We didn't know the area as well as we should have, took the wrong turn on the trail, and entered a blind gorge — a plenty steep one — at an altitude of about 5,000 feet."

"We were so tired by then," he reported, "that we just had to stay right there. We ran out of water, and had to give up eating our food — I found out you just can't swallow food without some water!"

At about 9 a.m. Tuesday, Lt. Hertel flew his helicopter over a 6,000-foot ridge of the gorge and maneuvered it down to the stranded hikers. They were safely back at China Lake by 10 a.m. that day.

Year's Duty To Follow Navy PO 1, 2 Hikes

Washington — A year's active duty after promotion will be required of all persons promoted to second or first class (E5, E6) petty officer rating, the Navy has announced.

The new Navy ruling starts Nov. 1 and applies to those named off the August and all future exams.

Persons without enough remaining obligated service must extend their service or reenlist to fulfill the new requirement. (AFPS).

Film Society Change

The China Lake Film Society announced a change in its schedule for next week at the Community Center. The movie, "I'm All Right, Jack," will be shown only on Tuesday evening at 8 p.m., not on Monday as previously announced.



FIRST HOLY COMMUNION for youngsters of the NOTS Catholic congregation presented this reverent scene recently. Father

Edward F. Kane (center background) served the Holy Sacraments to the 62 children at the All Faith Chapel Mass.

CHAPLAIN'S MESSAGE

A Gift Of Golden Apples



By CHAPLAIN MARK E. FITE

There are few people who, upon receiving a pretty wrapped gift, won't respond with a courteous "thank you." Notes from graduates, newly-weds, and others to whom we give are both appropriate and refreshing. Yet there is another "thank you," either written or spoken, that becomes a legacy in itself. It is the gift of unsolicited gratitude.

Many small favors come our way each day . . . the courtesy of a clerk, the good manners of a child, the efficiency of those to voice appreciation that you genuinely feel?

"A word fitly spoken is like apples of gold in pictures of silver," says the writer of Proverbs 25:11.

Abusive, critical letters find their way to stores, offices, employers and homes with dismayed frequency. Harmful words are thoughtlessly aimed at others whom we really have no intention of hurting. We can be so quick to criticize and so reluctant to commend.

Is it really so much trouble? The poet Goethe wrote: "Every day look at a beautiful picture, read a beautiful poem, listen to beautiful music, and, if possible, say some reasonable thing." What is more reasonable than a kind word reaching out to another.

You can communicate with a thank you note, a word, even a smile and it may give a glimpse of a golden apple to a tired eye! Our words or our letters do not have to be marvels of prose. These can be bought in collections. All we really need to say is what we feel, "You were so helpful," "I think you are wonderful!" "I liked your song," "Thank you" . . . you may be sure it will be received with surprise and pleasure.

Editorial

Overseas Assignments Offer Many Benefits

One important but often overlooked benefit which service personnel have is the broad travel possibilities afforded by a tour of military duty.

Some servicemen regard overseas duty as a boring waste of time. They're the ones who sit in the barracks during off-duty hours, complaining because they have nothing to do and nowhere to go.

Others realize that being stationed in Europe, the Far East, Iceland, along the DEW Line, at the South Pole or anywhere overseas should be a challenging and rewarding experience.

They take the opportunity to see and do things that most people normally couldn't do in a lifetime; the opportunity to know and meet other people of the world, to learn about their country, customs and beliefs and in turn to tell about the United States and its people.

Even a serviceman who recalls his geography classes in school with a frown can become an adventurous sightseer who takes every opportunity available to explore the many natural and cultural riches of the country where he is stationed.

True, some assignments may be in remote, out-of-the-way places where activities are limited. But still, there's always something better to do than complain.

Travel is an essential component of military life and the serviceman who makes the most of his travels and assignments, no matter where in the world they may take him, not only becomes a better serviceman but also becomes a better informed person. (AFPS)

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.

Supervisory Civil Engineer (General), GS-13, Code 7037, PD 170036—Supervises architects, engineers and technicians engaged in architectural and structural engineering. Provides technical review of engineering designs, feasibility studies, special projects and engineering reports produced within the Branch. Keeps abreast of the latest techniques and knowledge in the field of fallout shelter design for application in modifications to buildings, and in new construction to maximize the protection factors and shelter areas to the extent possible, at nominal, or no cost, using slanting techniques.

Requirements: Degree in architecture, architectural engineering or civil engineering with experience in structural or architectural engineering desired.

File applications with Dora Childers, Code 657, Bldg. 34, Rm. 22, Phone 71393.

Writer (Printed Media), GS-1022-9 or 10, Code 0032—As Publications Editor of the weekly newspaper, The Rocketeer, the incumbent is responsible for the size, content, make-up, layout, format, and publication of The Rocketeer. Incumbent writes stories for newspaper, rewrites and edits stories prepared by staff when necessary, is responsible for all graphic content that appears in Rocketeer, etc. Applicant selected at GS-9 level will be promoted to GS-10 when he is capable of full performance of the job and meets the qualification requirements.

File for above with Janet Thomas, Bldg. 34, Rm. 26, Phone 71577. Deadline for applications is June 11.

Campership Sign-Up Opens Next Tuesday

Registration for Kern YMCA camperships will open next Tuesday, June 8, according to Sylvia Besser, campership chairman. Those interested may register from 9:30 to 11:30 p.m. at the Desert Area Family Counseling Service office next door to the Safety Building on South Hussey or call Ext. 72714 for an appointment.

Social Security Rep. To Be Here Wednesday

A representative from the Bakersfield office of Social Security will be at the Community Center next Wednesday, June 9, from 8:30 to 11:30 a.m.

'Benny Sugg' Sez



Did you know that the office of the Under Secretary of Navy has established a savings goal for 1965 of 150% of the savings realized in 1961 and at this Station that makes our goal about \$102,000. Let's have some good ideas—they are worth money in your pocket. GET YOUR SHARE!

STATION LIBRARY LISTS NEW BOOKS

Below are a few of the titles which have been added to the Station Library in recent weeks. A complete list of the new books is available in the library.

Fiction Deighton—Funeral in Berlin. Gallery—Now, Hear This! Humphrey—The Ordways. Kirst—What Became of Sinner Asch. Perry—Raymond and Me That Summer.

Non-Fiction Brosterman—The Complete Estate Planning Guide. Florin—Western Ghost Town Shadows. Kennedy—A Nation of Immigrants. Lewis—Lament for the Molly Maguires. Rosten—The Many worlds of Leo Rosten.

'DESERT PHILOSOPHER'

Bighorn Sheep

By "POP" LOFINCK



At long last an authoritative book on desert bighorn sheep has been published by the United States National Park Service. It is authored by Ralph E. Wells, Park Naturalist of the National Park Service and Florence B. Wells, National Park Service collaborator.

So this column is a summary of the book — "The Bighorn of Death Valley" by Mr. and Mrs. Wells, who have made a detailed investigative program of research and behavior watching. Intensive field work commenced in December 1954.

Many people have never seen a desert bighorn — although there are estimated to be between 600 and 900 head in the Death Valley National Monument, which comprises 31,000 square miles — 550 square miles below sea level — lowest point — 282 feet, near Badwater.

The valley is surrounded by very rugged mountains which rise abruptly to elevations of 5,000 to 11,000 feet, with practically no foothills. Very picturesque.

Death Valley itself is approximately 190 miles long and from 5 to 20 miles wide.

BIGHORN SURVIVED, BUT OTHER SPECIES DIED

The survival of the desert bighorn — through long years of extreme drought conditions in the past — is no less than phenomenal. Other species of animals perished.

One reason for bighorn survival is a deep instinct for conservation. (Domestic sheep bands feed down to the bare ground). The big horn leaves a part of the plant to recuperate for future food. They move along nipping here and there — not devouring the whole plant.

"A general shortage of food critical enough to threaten seriously the survival of the species has not occurred in Death Valley in the past 10 years, if ever."

"Available water supply constituted a major limiting factor in bighorn numbers and distributions." During the depression the taking over of springs by prospectors — and poachers — was serious.

RENEW STRENGTH WITH GALLONS OF WATER

"Death Valley bighorn need water the year round, drinking every three to five days in hot dry weather — and every 10 to 14 days in cold weather."

They can go longer without water in an emergency, maybe three weeks, and come to a spring all scrawny and pooped out — drink several gallons — rest several hours and fill out like a prune in water.

"The general daily activity of the bighorn is divided between the effort of securing food and water and resting from that effort, with morning and evening play, especially on the part of the lambs. "The leader is always a ewe — if she is unafraid of people an entire band may become tame within days."

One band got so tame they would leisurely cross the highway in front of cars, causing a traffic hazard — both to the cars and the bighorn.

Because "old mamma" wasn't afraid, they walked between cars within four or five feet of people. Shouting and yelling and honking did not concern the bighorn.

"The climbing ability of the bighorn is as phenomenal as legend would have it but under ordinary circumstances the animals take the easier route and rest often."

"Fighting as an expression of serious hostility on the part of either sex, at any age, seems almost nonexistent. The "fighting" between males seems to be less of a fight — than a ritualistic contest. Serious injury is rare and occurs primarily as a result of some miscalculation or accident. Contestants may feed and water and travel together between clashes — and the presence of a ewe neither precipitates nor prevents a contest.

LAMBS LEARN MOSTLY FROM MOTHER

"Mature rams appear to be indifferent to lambs, sharing no responsibility but presenting no hazard to them." "The lamb begins to learn immediately by emulating its mother."

That may be why the leader is always a ewe. (My personal observation is that girls learn faster than boys.)

"The ram matures more slowly — it leaves the ewe bands to join the off-season bachelor ram band at three years."

Food — "Forty-three plant species were observed to be eaten by the bighorn."

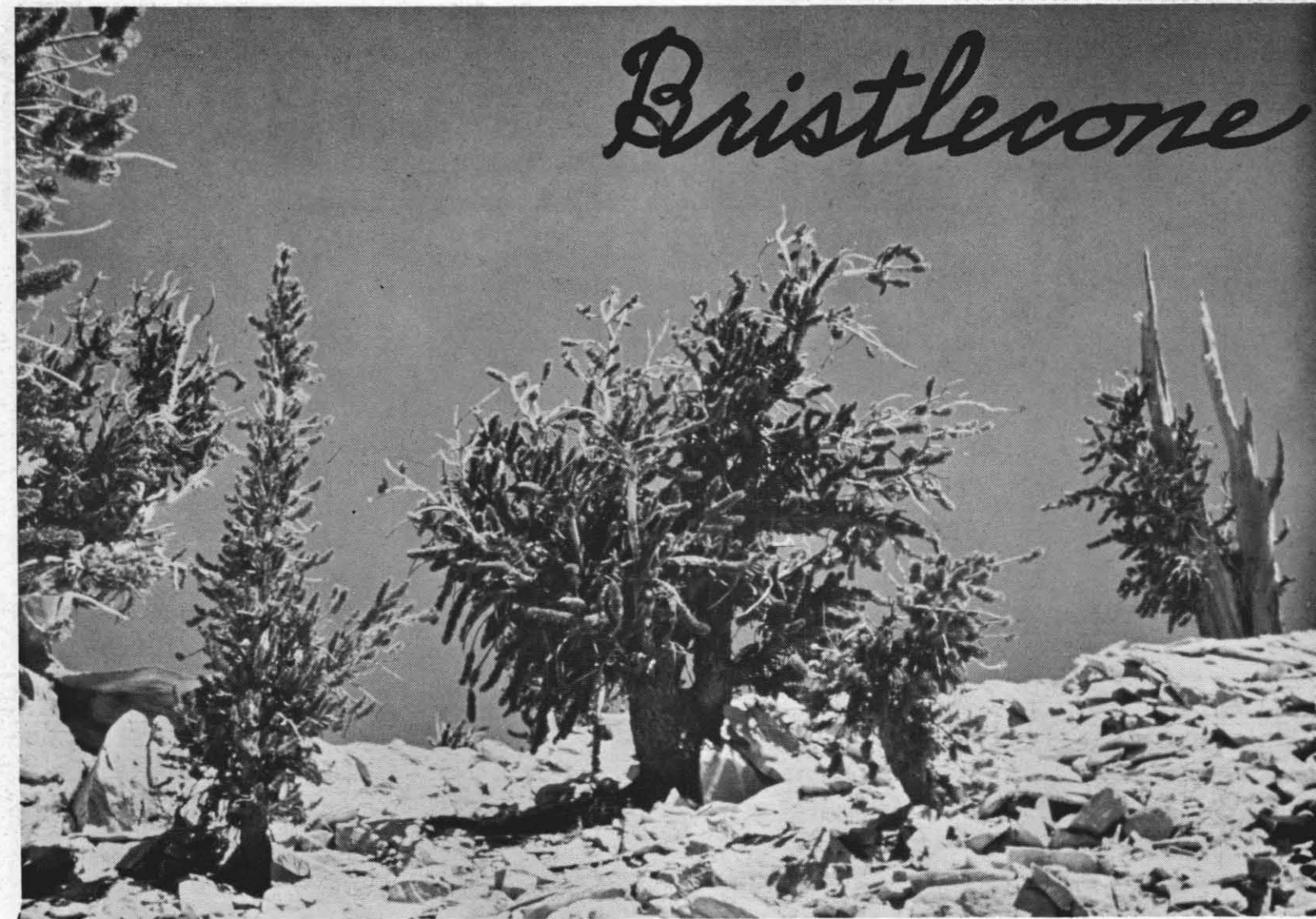
"Except for those in high areas, the plants of the region must withstand severe drought conditions lasting from several months to several years. We have watched perennial plants lie dormant for at least six years. And in the seventh year the rains came and the perennials grew green again."

"We cannot name any one plant as the mainstay of the bighorn diet. During the eight years of the study there have been recorded but two good wildflower years. But they are a vital backlog of food. In fact much of their supply of food plants seems to become more palatable to the bighorn only after it is completely dehydrated."

A six-month-old lamb chewed away on dried, blackened, cotontop cactus thorns for 15 minutes. It was joined by three or four others. They browsed not on the succulent undergrowth but on the dried prickly tips.

A band of seven fed for one week almost exclusively on Bibbia and Stephmomire. They mixed the lush green of the washes with the dormant vegetation above the washes toward Pyramid Peak.

(Parenthetically my philosophy indicates two reasons for bighorn survival: They know what they need, and they have a deep instinct for conservation.)



Bristlecone

Pines

Oldest Living Things in World

The oldest living things in the world — Bristlecone Pine Trees — are located less than 150 miles from China Lake, in Schulman Grove. Access is by Westguard Pass Rd., just north of Big Pine. Best time to visit the area is during the summer months.

Before making the trip, a good idea is to visit the Maturango Museum, where a cross-section of one of the trees may be seen, with interesting commentary.

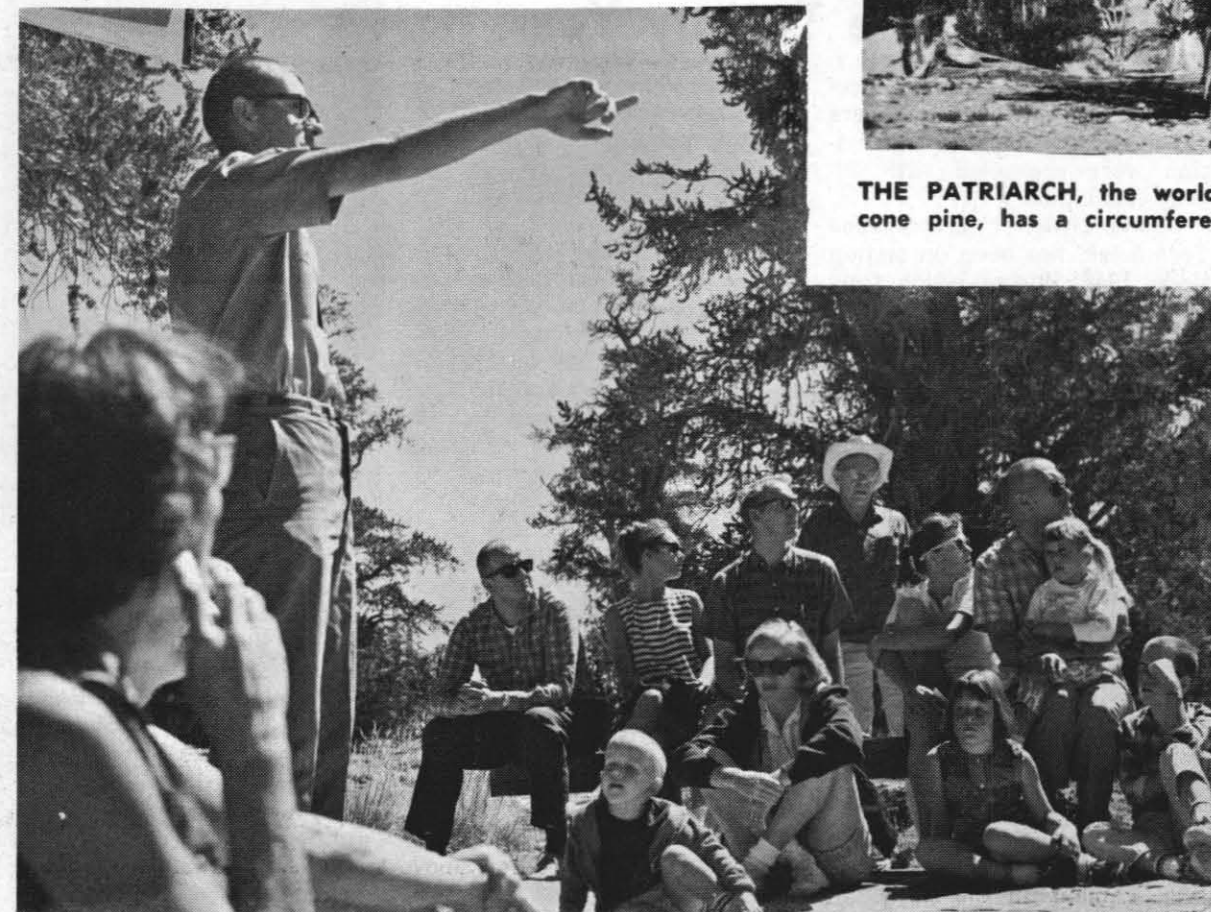
Oldest Bristlecone discovered pre-dates the Egyptian pyramids, is more than 4600 years old. Eighty air miles away from White Mountain, home of the Bristlecones, are the Redwoods in Sequoia, the largest living things in the world.



LEFT PORTION of this tree is dead, but right side appears to be growing right around the dead part.



THE PATRIARCH, the world's largest bristlecone pine, has a circumference of 36 feet 8 inches. It took many people with arms outstretched to circle it.



U. S. FOREST SERVICE ranger explains to a group of China Lake visitors that the growth of bristlecone pines takes place very slowly, often at the rate of one inch of diameter in 100 years.



INTERESTED YOUNGSTER watches ranger drill a core from a Bristlecone to check its age. The life histories of no two trees are the same. It takes an expert to study the age rings and other data to come up with the right answer.

The Rocketeer

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DEADLINES: News Stories Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m.

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Divine

Services

Christian Science (Chapel Annex)—Morning Service—11 a.m. Sunday School—11 a.m.

Protestant—(All Faith Chapel)—Morning Worship—8:30 and 11:00 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—7:00, 9:30 a.m., and 5:30 p.m. Sunday, 6:00 a.m. Monday through Friday, 8:30 a.m. Saturday. Confessions—8:00 to 8:25 a.m., 6:00 to 8:30 p.m. Saturday; Thursday before First Friday, 4:00 to 5:30 p.m.

NOIS Jewish Services—East Wing All Faith Chapel—8:00 p.m. every first and third Friday. Sabbath School—10:00 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—1:45-11:45 a.m., Dorms 7 and 8.