



NEW NAVY EXCHANGE OFFICER — LCdr. Earl F. Mouton, left, turns over the keys to the Navy Exchange to his replacement, LCdr. Barry S. Carmody. LCdr. Mouton will assume new duties in Iceland. LCdr. Carmody came to NOTS from duty as Supply and Fiscal Officer at the Brooklyn Naval Station, and brings his wife Florence and children Lyn, 13; Jim, 11; Jill, 10, and Jeff, 7, to their new home at 104 Coral Sea Circle. LCdr. Carmody is a native of Staten Island, and received his B.S. in business administration from Wagner College there in 1950, five years after he entered the Navy. Besides being an avid golfer, he spends spare hours at his hobby of photo finishing.

STATION LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library.

Fiction

Conklin—Giants Unleashed.
Fairbairn—Five Smooth Stones.
Longstreet—Pedlock & Sons.
Patten—Death Waited At Rialto Creek.

Bonner—The Disturbing Death of Jenkin Delaney.
Malamud—The Fixer.
Owen—There Goes Davey Cohen.
Slaughter—God's Warrior.

Non-Fiction

Fodor—Pacific States.
Kenny—Ceramic Design.
Manchester—The Death of a President.

Mays—Willie Mays.

Scalapino—The Communist Revolution in Asia.
Woodward—The Russians At Sea.

Chapman—Incredible Los Angeles.
Downs—How To Do Library Research.

Fromm—You Shall Be As Gods.
Gilkey—Shantung Compound.
Johnson—Yankee Sails the Nile.

Leadabrand—A Guidebook to the Mojave Desert of California.

Ritter—The Glory of Their Times.

Trager—Burma: From Kingdom to Republic.

SHOWBOAT

FRIDAY **"I DEAL IN DANGER"** (89 Min.)
Robert Goulet, Christine Carere
7:00 P.M.
(Spy/Drama) An adventure behind enemy lines by Blue Light places him high up in the echelon of German intelligence but he is suspected by an SS captain. Espionage thrills and chills and super missile sub equals suspense. (Adult, Youth, Children.)
Shorts: "Chaser on the Rocks" (7 Min.)
(A Roadrunner)
"Football Royal" (10 Min.)

SATURDAY **MATINEES** **APRIL 29**
"AND NOW MIGUEL" (94 Min.)
Guy Stockwell
1:00 P.M.
Shorts: "Carless Caretaker" (7 Min.)
"Captain Video No. 8" (17 Min.)

EVENING
"WILD AND WOOLLY HANS" (80 Min.)
Audie Murphy, George Sanders
7:00 P.M.
(Adventure) Foreign intrigue abounds as an undercover agent poses as a scientist to make contact with another scientist who heads a foreign missile program. What was in the secret trunk bound for Egypt? (Adult, Youth.)
Shorts: "Where Winter Is King" (18 Min.)

SUNDAY-MONDAY **APRIL 30, MAY 1**
"A FISTFUL OF DOLLARS" (96 Min.)
Clint Eastwood, Marianne Koch
7:00 P.M.
(Western) Don't miss this super, thrill-packed tale of a mysterious gunfighter who finds himself in the middle of two opposing gangs in a small Mexican village. How can one man defeat two mobs of bandits? This is the roughest, toughest outdoor you've ever seen in Rowdy "Rowdy" play. A sequel will follow! (Adult.)
Short: "Pink Plunk Plunk" (7 Min.)

TUESDAY-WEDNESDAY **MAY 2-3**
"MONKEYS GO HOME" (101 Min.)
Dean Jones, Yvette Mimieux, Maurice Chevalier
7:00 P.M.
(Comedy) Lots of monkeyshines here as Dean inherits a French olive farm and a crop problem. The local priest and a cute mademoiselle help him with the zaniest olive pickers ever assembled. A Disney winner again! (Adult, Youth, Children.)
Short: "Mail Dog" (7 Min.)

THURSDAY-FRIDAY **MAY 4-5**
"THE SPY WITH THE COLD NOSE" (93 Min.)
Laurence Harvey, Doliah Lavi
7:00 P.M.
(Comedy) Counter intelligence plants a tiny transmitter in a dog to be presented to the Russian Prime Minister. The puzzled Reds send pretty Delia to investigate how their opponents are getting the data. A rollicking mixup of fun!
Shorts: "Shot and Bothered" (7 Min.)
(A Roadrunner)
"Hail Drivers" (10 Min.)

Navy League Council Installs New Officers

Six past presidents, a past 11th region president, and the Council's founding - president were among the nearly 100 persons who witnessed the installation of officers of the local Navy League Council at the Hideaway Wednesday evening, April 19.

On hand to administer the oath of office to the Council's new officers was E. (Pic) McIver, past 11th Region Navy League president.

Installed as president was W. R. (Bob) Balcom, the 11th man to hold the Council's top post and the second NOTS employee ever to be named to the Council's presidency. G. L. (Barney) Oldfield, an employee of the Propulsion Development Department, held the post in '63-'64. Balcom succeeds Milford (Mil) Carlson, of Inyokern, as president.

Other new officers are Howell Sumrall, first vice president; Herb King, second vice president; both of Ridgecrest; Paul Mitchell, secretary; Francis Carlisle, treasurer; and Budd Gott, judge advocate; all of China Lake.

Installing officer McIver paid tribute to outgoing president Carlson for his leadership in developing the local group into one of the most active Councils in the California region.

He cited the Council as being one of the most aggressive in Navy League affairs, even surpassing Councils of metropolitan areas.

Capt. Muncie Praises
Guest of honor Capt. W. B. Muncie, Commanding Officer of VX-5, praised the local Council for its role in the "Bluejacket of the Year Award Dinner." He noted it added to the morale of the enlisted men and gave them the recognition

they deserve. In addition, Capt. Muncie commended the Council for its assistance to the Station in co-hosting visiting Navy League Councils.

Bob Smith, founding - president of the local Council in 1957, former Ridgecrest businessman and Chamber of Commerce president, made the trek from Beverly Hills to emcee the dinner.

Acceptance Speech
President Balcom in accepting his office noted "In our present time, with the guns of war again echoing throughout the hills and across the seas, the American Navy man is once again showing the world that the determination of the American people will not tolerate aggression against a free nation."

"Their efforts are supreme, no sacrifice is too great, no task too difficult. We as Navy Leaguers also have a job to do. We must truly be the Civilian Arm of the Navy by emphasizing the importance of maintaining a strong Navy, by supporting all worthy programs for a better, stronger, more versatile and mobile fighting force," he said.

"Our Navy is doing an outstanding job. Can we as Navy Leaguers do less?," he concluded.

Balcom announced that six new directors had been named. They include "J" "T" Bibby, public relations; LCdr. Lewis Shults, USN (Ret.), operation highline program; Dr. Henry LaFortune, shipmate program; Ronald Howard, membership; Jack Koehne, ways and means; and Archie Meyer, historian.

Four past presidents, Dr. L. W. Stevens, Dr. James W. Henry, Andrew G. Houston, and Robert B. Millett, were present, in addition to Carlson and Smith.



TIME TO CHANGE AGAIN — Sandy Craig of Code 5523 is a very pretty reminder that Daylight Saving Time goes into effect next Sunday morning at 2 a.m. The clocks move ahead one hour. Sandy, the daughter of Paul and Margaret Craig, both NOTS employees, will leave China Lake to report for Air Force basic training which will start next Wednesday and last for eight weeks.

NOTS Advisory Board Will Meet Next Week

The spring meeting of the NOTS Advisory Board will be held Thursday and Friday, May 4 and 5 with Dr. Walter H. Brattain beginning his term as a member of the Board. The meeting also marks the retirement from the Board of Dr. Luis W. Alvarez and Admiral John H. Sides, USN (Ret.).

Other Board members include Dr. Paul M. Fye, Dr. Joseph E. Henderson, Dr. J. C. R. Licklider, Dr. Frederick C. Lindvall, Mr. Edwin A. Link, Vice Admiral Paul D. Stroop, USN (Ret.), Dr. L. T. E. Thompson, and Dr. James H. Wake, Jr.

A no host Reception honoring the members of the Advisory Board will be held on Thursday, May 4, from 6:30 to 8 p.m. at the Commissioned Officers' Club.

Personnel planning to attend are asked to call Ext. 71654 before 11:30 a.m. on May 4 to make reservations so that name tags may be provided.

Authorized patrons of the Executive Dining Room who desire to stay for dinner following the reception should make reservations prior to 4:30 p.m. on that date by calling 375-5071.

First Michelson Lab Awards To Be Presented Next Friday

The first presentations of the Michelson Laboratories Awards will be made next Friday, May 5, at a luncheon to be held at the Commissioned Officers' Club.

Late last year, ComNOTS announced the introduction of the two new local Michelson Laboratories Awards designated Fellow in Ordnance Science and Fellow in Management.

These awards were established as local honorary awards complementary to the L. T. E. Thompson Award, and consist of a certificate signed by ComNOTS and the Technical Director and a gold "key" engraved with the name of the recipient and the year of the presentation.

The Fellow in Ordnance Sci-

ence is presented as an award for having demonstrated notable evidence of qualification and experience through contribution to the advancement of ordnance science while participating in technical activities of the laboratories. The Fellow in Management Award is designed to recognize persons who have demonstrated outstanding administrative abilities and qualities of leadership together with professional excellence in furthering the mission of the laboratories.

Station personnel are invited to make reservations for the luncheon, which will start at 11:45 a.m., by calling Ext. 72926 or 72283. Wives of those attending are also invited. All reservations should be made by no later than Wednesday noon, May 3.



Vol. XXII, No. 17 Naval Ordnance Test Station, China Lake, California Fri., April 28, 1967

Navy Increases Shrike Output

Now Available for Navy, Air Force Planes

Shrike, an air-to-ground guided missile designed and developed by the U.S. Navy at its Naval Ordnance Test Station, China Lake, California, is a direct countermeasure to enemy radar. It is now available for use on Navy and Air Force planes in combat.

Now being produced by Texas Instruments, Dallas and Sperry Farragut, Bristol, Tennessee, the Navy has increased the number of Shrike missiles to be provided the services.

Shrike is effective in destroying or suppressing enemy radar sites. It was first fired publicly in mid-1963. Shrike takes its name from the small, lightning quick bird which attacks the eyes of its enemies. The missile emulates its namesake as it blinds the long-range eyes of military radar.

In production as a passive, all weather weapon, Shrike is light-weight. It can be carried and launched by a variety of United States fighter and attack aircraft. Many firing tests of various components or of the entire missile have been conducted by NOTS developers on China Lake ranges. Its distinctive high explosive warhead, is especially designed to destroy radar targets.

The missiles can be launched from the aircraft either individually, in rapid succession or simultaneously.

When underway on its own at supersonic speeds, Shrikes guidance system directs it to the target. The weapon provides an aid in penetrating enemy radar defenses to permit easier and quicker destruction of ultimate objectives.

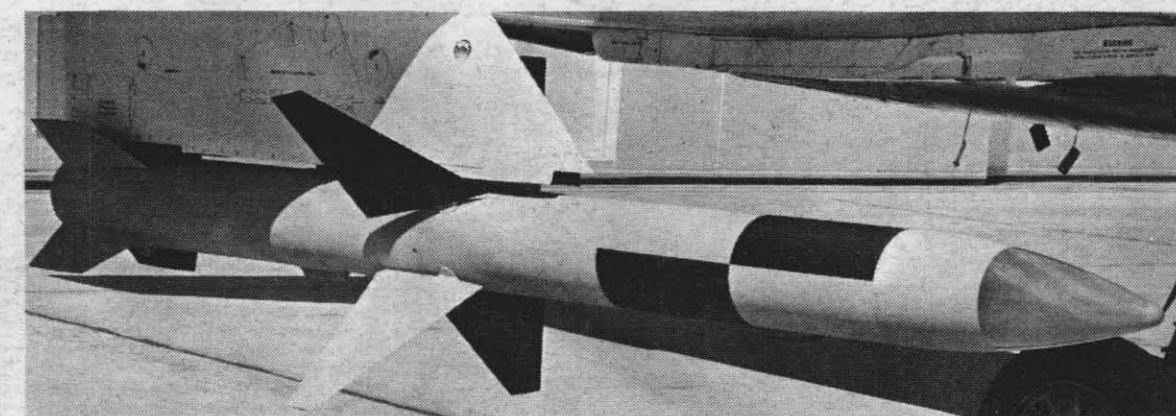
In designing Shrike, NOTS engineers and scientists were successful in holding down expense through striving for simplicity throughout the system and by utilizing existing component parts to the maximum degree. The missile's solid fuel motor and metal casing were adapted from items already in stock. The unit cost of Shrike thus is significantly less than for most missiles in the nation's arsenal.

During the Shrike development program, major engineering support was provided by Texas Instruments, Inc. of Dallas. Propulsion elements are provided by Rocketdyne, a division of North American Aviation, Inc. Production contracts have been let by the Navy to Texas Instruments and to Sperry Farragut of Bristol, Tennessee.



A SHRIKE MISSILE is launched from a Navy A-4 attack plane in a test of the weapon here. Shrike was designed and developed

at China Lake and is the first U.S. weapon specifically geared for direct attack on radar targets.

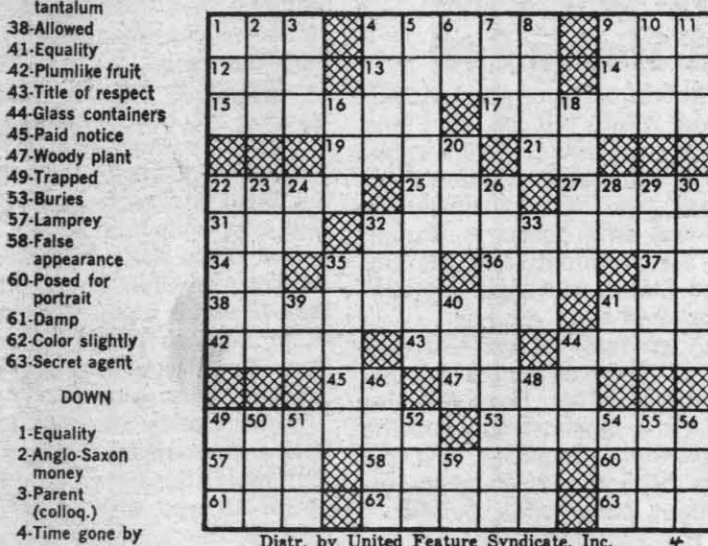


CROSSWORD PUZZLE

Answer to Previous Puzzle

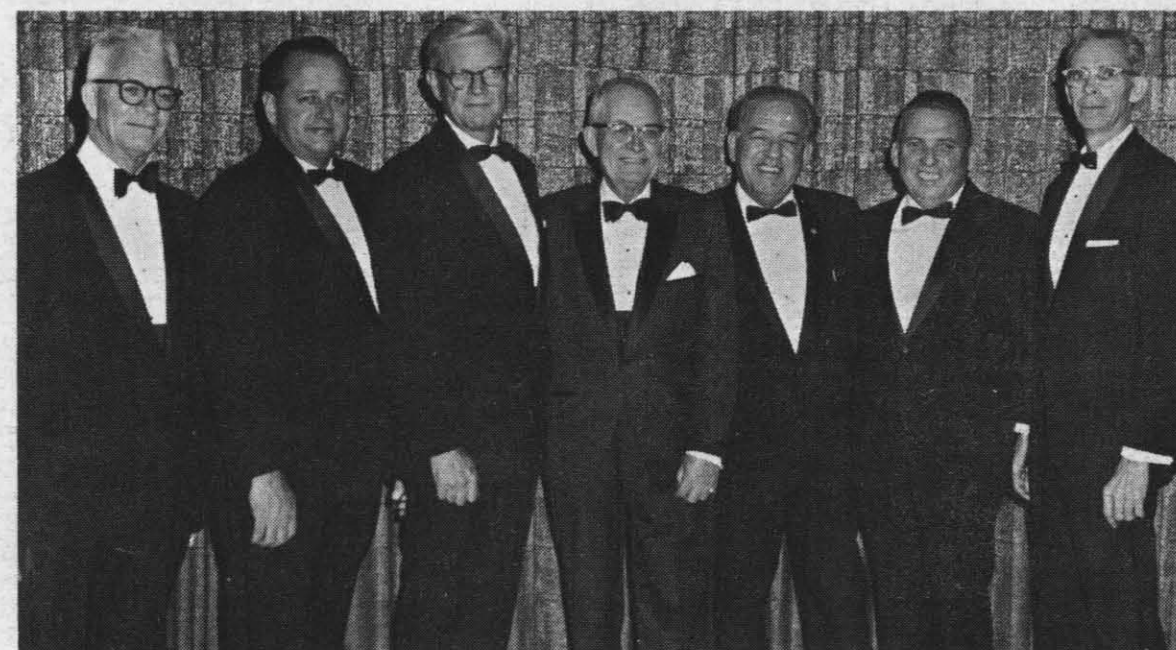
ACROSS

- 1-Seed container
- 4-Courtyard
- 9-Hard-wood tree
- 12-Macaw
- 13-Worship
- 14-Confederate general
- 15-Vegetable
- 17-Hold in high regard
- 19-The sweetsop
- 21-What? (colloq.)
- 22-Reach across
- 25-Free of
- 27-Country of Asia
- 31-Dine
- 32-Pierce
- 34-Printer's measure
- 35-Offspring
- 36-Novity
- 37-Symbol for tantalum
- 38-Allowed
- 41-Equality
- 42-Plumlike fruit
- 43-Title of respect
- 44-Glass containers
- 45-Paid notice
- 47-Woody plant
- 49-Trapped
- 53-Buries
- 57-Lamprey
- 58-False appearance
- 60-Posed for portrait
- 61-Damp
- 62-Color slightly
- 63-Secret agent



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NEW NAVY LEAGUE OFFICERS — Bob Smith, founder of the local Council, poses with new officers (l-r) W. R. (Bob) Balcom, president; Howell Sumrall, 1st vice president; Herb King, 2nd vice president; Paul P. Mitchell, secretary; Francis Carlisle, treasurer; and Budd Gott, Judge advocate. Installation was held at The Hideaway.

View of World

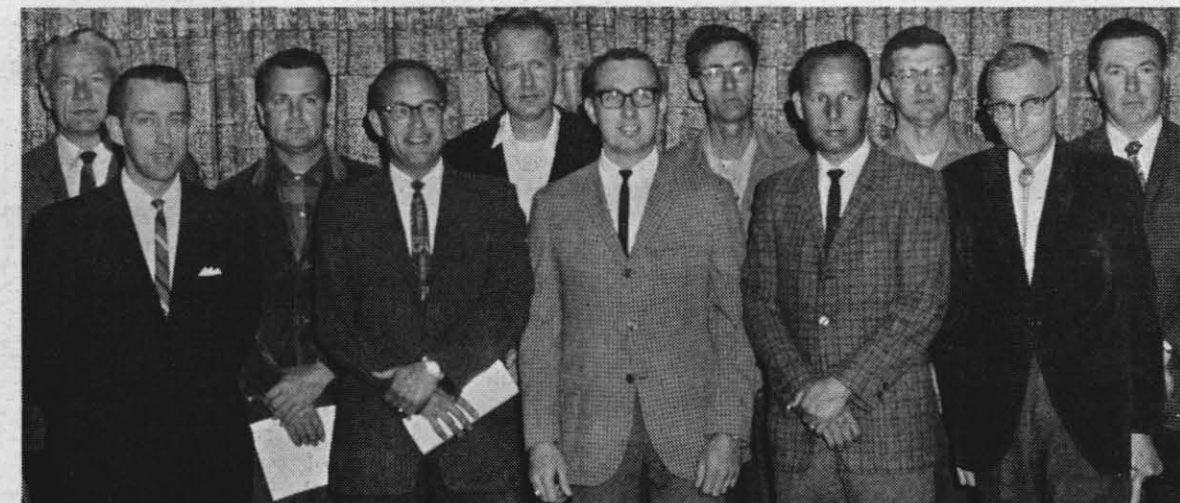
A color movie entitled "Of Stars and Men" will be shown at the meeting of the China Lake Astronomical Society at 7:30 p.m. Monday, May 1, at 401 McIntire Street.

The movie, which is an impressionistic translation of the book by Harlow Shapley, concerns man and the universe. It is the sequel to an earlier film shown on Harlow Shapley himself.

From _____

TO _____

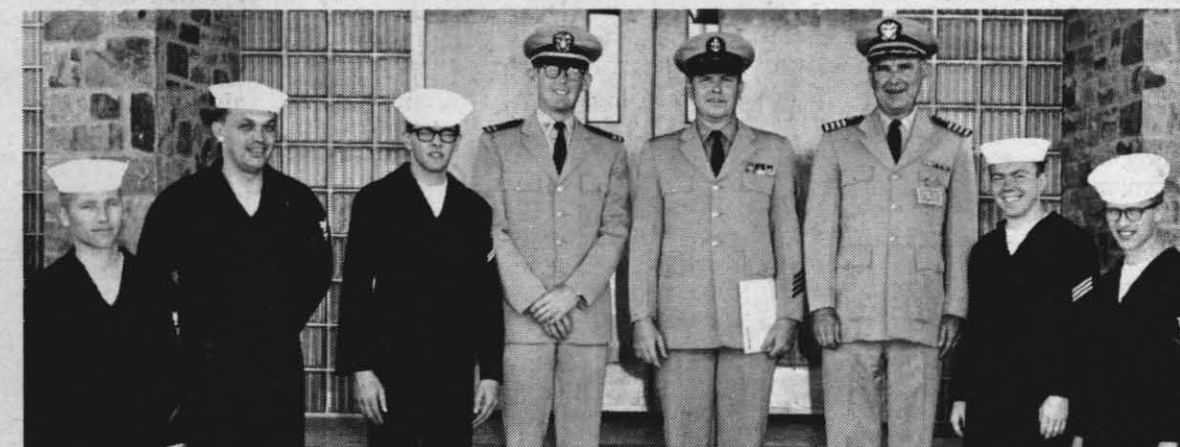
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CERTIFICATES PRESENTED — The Boy Scouts of America, Southern Sierra Council, recently held its victory luncheon meeting for the 1967 Indian Wells Valley Sustaining Membership drive. Present to receive their certificates of appreciation, from left to

right are: Back row, Fred Weals, Rodney Lubben, Dwight Weathersbee, Leroy Ogan, Jim Crump, and John Dipol. Front row, Dick Hape, Norm Osborne, Wally Parmenter, Jack Godett, and Ken Bischell.

—Photo by PH3 Jerry Willey



CHIEF RETIRES — Chief Don Tucker, center, was honored recently by his co-workers at the Station Hospital during his retirement ceremonies. From left to right are:

DT2 Bernard Harnish, DT1 Roy Benbrook, DN Tom Paster, Dr. Joseph Ainsworth, Capt. Joseph Thimes, Dental Officer, SN Donald Bruch, and DT3 Kerry Harnish.



NSIA TOURS NOTS — Some 70 members of the National Security Industrial Association spent two days recently touring NOTS and being briefed on weapons and research programs. Some gather here at the Free Fall

Weapons Display Center at Michelson Lab. During April 5 and 6, the group reviewed Walleye, Condor, Shrike, Free Fall, FAX and Rock Site programs.

—Photo by PH3 Jerry Willey



PUBLIC WORKS SCORES — A variety of awards for top-notch performance and achievement recently went to 32 Public Works employees in five divisions and six branches. In Administrative, Engineering, Maintenance-Utilities, Transpor-

tation and Maintenance-Control Divisions awards were presented for Sustained Superior Performance (26), Outstanding Performance (2), Superior Achievement (one) and Quality Step Increase (3).



SAFE PLACE TO WORK — Superior performance of a special kind was recognized recently in the Public Works Dept. as 18 Certificates of Commendation for Prevention of Accidents and 70 individual safety awards were presented. Cer-

tificates went to three branches and 16 sections; and 21 safe driving awards, 16 awards for materials handling and construction equipment operations, and 33 supervisor awards went to individuals.

LAW IN ACTION

MARITAL TRUST

The law makes clear that marriage rests on trust. In all dealings, business or otherwise, neither man nor wife can legally take unfair advantage of the other. If there is any unfair hiding of facts in any business dealings between man and wife a court is likely to set the transactions aside.

But how long does this trust last? To the end of marriage. Thus, Mrs. Brown and her husband had been married some forty years when they separated and later were divorced. The husband promised to give his wife full facts of their property and to make a fair property settlement.

Afterwards, the wife found out that she received only about a fifth of their community property.

She sued to set aside the settlement. The California Supreme Court said that the relation of trust continued even after the break up of the marriage. The husband's failure to disclose all the community assets was fraud. The settlement was set aside.

In most families the husband

manages the community assets much like a trustee although one-half belongs to his wife. Until the marriage ends completely, he still must make full disclosure about the property.

Of course a husband can claim that some assets are not community owned — but belong to him separately. But if he admits to the property's community character, he has to deal fairly with his wife about it. As a rule in long marriages most assets gained during the time are community owned.

In another case a husband had his wife sign an agreement to waive any claim in his estate after he died. In return for her signing the agreement, the husband gave his wife \$10,000 cash. She later found out that the community assets and



her share of the estate exceeded \$50,000. The court again set aside the agreement. The husband had not made a full disclosure.

Note: California lawyers offer this column so you may know about our laws.

President Seeks Raise For Military - Civilian

A proposed 4.5 percent pay increase for military personnel and federal civilian employees has been sent to Congress by President Johnson.

The actual military pay raise will come in the form of a 5.6 percent raise in base pay, since quarters and subsistence allowances, etc., make up total military pay, to reach an overall 4.5 percent parity with the civilian pay raise.

In his message to Congress, the President said that as civilian pay is increased, similar pay raises should be consid-

ered for the nation's armed forces.

Mr. Johnson added that he will recommend further changes in the armed forces pay system when Secretary of Defense Robert S. McNamara completes a searching review of the underlying principles of the military compensation system.

President Johnson said that "for our military personnel, pay alone can never reflect the full measure of our debts."

He said the nation must assure its fighting men and their families that they will be compensated for their service on a comparable scale to that of their 2.5 million civilian co-workers.

"I recommend an increase in regular military pay similar to the raise for civilians — an average 4.5 percent effective Oct. 1, 1967," President Johnson said.

Trout Hatchery

Start of final design work for the state's new Owens Valley Trout Hatchery has been authorized by the Wildlife Conservation Board.

The Office of Architecture and Construction was directed by the board this week to make working drawings for the facility which will be built by the board to bolster the trout stocking program of the Department of Fish and Game in the Southern Sierra and Southern California.

The hatchery was originally planned for the Bishop area, but no adequate water supply could be found there. It is now planned for a site midway between Independence and Big Pine in Inyo County near U.S. Highway 395.



ON WINNING TEAM—LCdr. Richard S. Willett of VX-5 received a Navy Unit Commendation Medal in recent ceremonies for his part in strikes against the Viet Cong from the USS Kitty Hawk, Nov. 26, 1965, to May 14, 1966, with Attack Squadron 113. The aviators and crew of the Kitty Hawk were cited for their "precise planning, professionalism, dedication and tenacity" in delivering over 10,700 tons of ordnance in over 10,000 sorties.

Desalinization At South Pole

The Navy has hooked up a desalinization unit to its nuclear electric power plant at McMurdo Station to meet the water needs for the men who winter-over and spend the summer in Antarctica.

A flash evaporator that uses steam from the nuclear power plant is now producing 14,000 gallons of water daily, more than enough to supply the 250 Navy men and scientists who winter-over and the 1,250 summertime population.

The nuclear reactor itself has been supplying the South Pole outpost with heat and electricity since July 1962.



FIRST GRADUATES — Four men from the Maintenance-Utilities Division, Public Works, have the honor of being the first to receive Certificates of Completion for the new Conservation and Utilities Control of Water and Sewage Plant Operations course. It is planned that other interested employees will have the opportunity to take the course at a later date. From left to right is Jim Turner, Utilities Operations Section Head, Jerry Smithers, Henry Miller, Curtis Taylor, W. G. Ferguson, Carl Flagg, course instructor, and Public Works Officer, Captain H. J. Hartman.

Helmet Construction Improves for Safety

The wearing of an approved helmet may save your life if you ride on a motorcycle or motor scooter.

In the experience of the Oakland, Calif. police, before crash helmets were required as part of the motorcycle police uniform, one man died each year. Two died the year before helmets were adopted. In fact, more policemen died from head injuries on motorcycles than officers investigating dangerous homicide, robbery and vice incidents. After helmets were mandatory there wasn't a single disabling accident for the four-year period reported.

What Is a Good Helmet?

In 1956 veteran sports driver "Pete" Snell was hit from behind while negotiating a turn and died from massive brain injury. His friends were saddened and shocked by his death, caused by the failure of his crash helmet — one of the most popular brands to be found on the race course. They started a campaign with the help of SCCA's course physician, Dr. George G. Snively, Director of Medical Services at Sacramento County Hospital, to find the cause of Snell's helmet failure.

Dr. Snively's findings, published under the title "Skull Busting for Safety," appeared in "Sports Cars Illustrated," July 1957, and started a furor.

His research proved that the more popular brands of crash helmets on the U.S. civilian market were ineffective to protect against a single maximum stress type of impact. After a well known Canadian driver was killed his helmet was tested by Dr. Snively. Snively's grim quip was, "You can buy better plastic in Macy's basement."

The interest and concern of Snell's friends grew into the Snell Memorial Foundation, dedicated to helmet safety.

The Foundation, together with the American Standards Association, the University of California, Northrop Aircraft Inc., National Institute of Health, U.S. Public Health, Road Research Laboratory and the Royal Air Force of England as well as many other research search Laboratory and the Royal Air Force of England as well as many other research

groups have been conducting experiments since 1956.

The questions they want answered are: 1) how much acceleration can the brain tolerate and 2) what is the mechanism by which brain damage occurs?

Key to Safety

Drawing on known testing techniques and developing new testing devices they have set up specifications to give the maximum protection for the human head and brain. A non-resilient energy absorbing liner is the key to safety. The latest military flight helmets, as well as the specially designed space helmets used by the U.S. Astronauts, all employ non-resilient liner material as a method of absorbing impact energy.

In addition to the non-resilient liner, an approved helmet must pass test on the rigidity of the high - impact plastic shell; and the strap, rings and helmet connectors must also undergo rigid tests.

So, every person who rides a motorcycle, whether back and forth to work or chasing rabbits across the desert, should investigate available helmets for approved quality — and make sure to have and wear one.

The list of helmets published in the Rocketeer in last week's issue, January 20, can be useful.

The best helmet a cyclist can afford is not too good.

Rules For Syllabifying

The following baker's dozen rules for hyphenating words were listed in a recent Galley Guide. There are others, of course, but these 13 cover the more common trouble spots.

1. Words may be divided between syllables only.

2. Words of one syllable must not be hyphenated: search, searched.

3. Words of five or fewer letters must not be divided even if they contain more than one syllable. (NOTE: One letter must not precede or follow the hyphen: idea, abroad.)

4. A vowel forming a separate syllable must be written before the hyphen: sepa-rate.

5. Two one-vowel syllables coming together may be divided: medi-ator, fluctu-ation.

6. Two-letter syllables must not be carried on to the following line: likely, taller.

7. Two-letter prefixes may be separated from the root: re-flect.

8. Two-letter syllables that are not prefixes must not be separated from the rest of the word: select.

9. Double consonants ending root words should be divided after the second consonant: spelling.

10. Double consonants not ending root words should be divided between consonants: permitted.

11. A prefix of three or more letters may be separated from the letters that follow: trans-continental.

12. A suffix of three or more letters may be separated from the preceding letters: manageable, multi-tude.

13. Proper names, titles with proper names, abbreviations, contractions, and numbers should not be divided.

Stop Signs Confusing

The Safety Department reports that it has been brought to their attention that there is confusion as to the proper stopping location when approaching an intersection controlled by a stop sign.

In order to help clear up some misunderstandings, they give the following as the general guide lines governing stops at such locations.

(1) If there is a limit line, stop before crossing it.

(2) If there is no limit line but there is a crosswalk, stop before entering the crosswalk on the near side of the intersection.

(3) If there is neither limit

line nor crosswalk, stop before entering the intersection.

It is not necessary to stop behind the stop sign, unless one of these requirements dictates such a stopping location. If there is a limit or a crosswalk or both, two stops may be necessary before a safe entry can be made into the intersection.

SMOKEY'S FRIENDS don't play with matches



LADIES AT WORK — Members of the Indian Wells Valley Cancer Dressing Station work at preparing bandages in an afternoon at 413-C McIntire St. quarters. The project is sponsored by the Desert Holly Chapter 558, Order of the Eastern Star. Volunteer workers meet the second Wednesday of

each month from 1 to 4 p.m. and the next evening from 7 to 10. Station is one of 127 in California. Dressings are given free to any in need. Dressing Station leaders (front, l-r) are Twila Sampson; Shirley Hiorns, co-chairman; Belle Birgren; Dora Rodgers, chairman, and Maude Osborn.



SCOUTS ON TOUR—Members of the Pacific Telephone Communications and Science Explorer Post 684E from Inglewood High School gather with their leaders and sponsors during a tour of NOTS last week.

The group visited Michelson Lab, SNORT, and saw films on the history and future of the Station. The tour was one of a series of annual events for the group.

—Photo by PH3 Jerry Willey

Public Works Department Promises No More Early 'Dumpster' Banging

Anyone who remembers a popular tune called, "Milkman, Keep Those Bottles Quiet," is dating himself but a China Laker who grumbles now and then about early morning "Dumpster" emptying will have no cause for complaint after May 1. From that date, no collections will be made earlier than 7 a.m. nor later than 6 p.m. according to Public Works Department. New bulk receptacles will be installed throughout the Station commencing this week.

These will be a different style with dual doors in the top of each receptacle. A small door, easily opened, will accommodate most household trash. The larger door is also hinged to allow bulky items to be deposited. Also changed will be the method for emptying the big containers. The truck with compactor will empty, wash and disinfect each one on the spot rather than hauling it off to the dump. This is to speed up the collection schedule. Colors of the new bulk receptacles, blue, green and tan, indicate

to drivers which day they are scheduled to be dumped.

With a new contractor for refuse and garbage collection on the Station beginning May 1, large rubbish cans furnished in several housing areas will be replaced. Ground rules for the 32-gallon cans are the same as before. Householders are urged to bring the contractor-furnished cans, and any of their own, in off the streets as early as possible so they will not be blown around. All containers should have tight fitting lids to prevent wind from scattering trash and animals from tipping them over.

New 32-gallon receptacles will have spring attached covers to prevent loss and animal access. Users are requested to leave the spring clips on the cans.

Collection schedule for housing areas furnished 32-gallon containers will be: Wherry — Mondays and Thursdays; Capehart Site A — Mondays and Thursdays; Capehart Site B — Tuesdays and Fridays; Residential Trailers, Normac, Le

Tourneau—Tuesdays and Fridays.

Residents are reminded all containers will be emptied as usual whether contractor-furnished or privately owned. They are also reminded 65 pounds is the maximum weight for a single container.

Loose trash, leaves, clipping and such should be boxed or bagged and put beside bulk receptacles for collection. Heavy material that cannot be wind-scattered may be piled beside the receptacle. Caution should be used not to block access for someone else.

Parents are urged to warn children curious about the new compacting and cleaning operation to keep clear of the trucks. Drivers will be on the lookout for small fry but the men are handling big rigs and small folks are not always easily seen from the cab of a big truck.

It is expected the new service will be faster and more efficient. Quick cleaning and disinfecting of receptacles should help with the fly problem during summer months.



MILLION-HOUR RECORD — Cdr. A. H. Murray (r), head of Command Administration Dept., receives a Significant Achievement Award from Capt. Robert Williamson II, NOTS Executive Officer. The award was presented for the achievement of one million man-hours without a work disabling injury in the department.



FOUR MORE FOR SMITH—FTMI Richard E. Smith takes his reenlistment oath from Lcdr. Frederick H. Elliott, NOTS enlisted personnel Commanding Officer. Smith, a 15 year veteran, signed up for four more years.

Schedule for Plane-Bus Travel

Effective April 30, 1967

PLANE AND BUS SCHEDULE

China Lake—Inyokern—International Airport—Pasadena

Plane Schedule—Pacific Air Lines (Tr's or Tickets Required)
Flight No. (Daily)
781 Morning Flight Lv. Inyokern 0630—Arr. LAX Int'l 0726
782 Evening Flight Lv. LAX Int'l 2145—Arr. Inyokern 2245

Airport Shuttle Bus Schedule — China Lake

A shuttle bus will provide passenger transportation to and from Inyokern Airport and China Lake daily, Monday through Friday. Leaving China Lake, shuttle bus stops will be made as follows: Leave BOQ-A 0545, Station Restaurant 0547, Administration Bldg. 0548, Michelson Lab 0550. Arrive Inyokern 0610. The evening bus will depart Inyokern at 2300.

CABLE FLYING SERVICE

Effective May 1, 1967

NORTH BOUND

Flight No.
20 Sun. thru Thurs. Lv. LAX 1000—Arr. Inyokern 1050
40 Mon. thru Fri. Lv. LAX 1830—Arr. Inyokern 1920

SOUTH BOUND

Flight No.
21 Sun. thru Thurs. Lv. Inyokern 1115—Arr. LAX 1205
41 Mon. thru Fri. Lv. Inyokern 1940—Arr. LAX 2030



SAFE DRIVERS — Lt. S. R. McMullen (left), NOTS Security Officer, presented these men recently with safe driving awards for 1966. They are (l-r) E. Shows of the Fire Dept. and D. T. Mooney and J. H. Watts of the Police Dept. Shows received his fourth award, Mooney his eighth, and Watts his first.

Clean Up-Paint Up-Fix Up Campaign

"It's war," said Hal Harney, Community Council clean-up chairman, announcing dates for a Stationwide attack on litter. May 6 through 13 has been set for China Lake's CLEAN-UP, PAINT-UP, FIX-UP WEEK. Chairman Harney stressed vacant lot litter — trashberry trees and kleenex bushes — is included in the campaign. He added, groups or individuals volunteering to aid the campaign by gathering up litter from vacant ground, roadways, or fence lines may call 7177 and a Public Works Department truck will transport bagged or boxed trash to the dump.

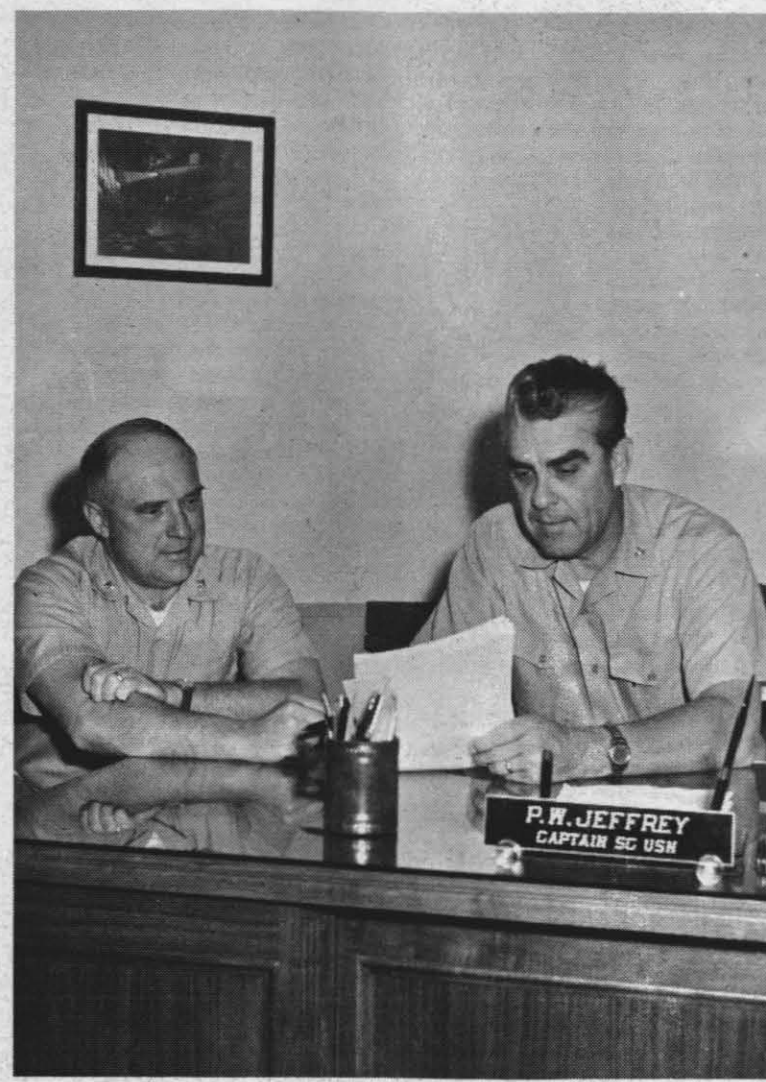
Residents of all housing areas are urged to cooperate with the Community Council, continuing the chairman, by clearing their own yards, fences, driveways and alleys of wind-blown litter. "It's true," quipped Harney, "the trash you pick up may not be your own; some of yours may be in the other fellow's yard three blocks to windward."

The Council recognizes wind-blown litter is a special problem this time of year. So everyone is reminded to put extra effort into boxing or containing light-weight trash until it's picked up.

The campaign is intended to alert everyone it's time to spruce up China Lake. Now's the time, says the Community Council, to paint that fence, mend that gate, or plant a fresh shrub. In short, it's CLEAN-UP, PAINT-UP, FIX-UP time at China Lake.



Cdr. Snyder Relieves Capt. Jeffrey As the New NOTS Director of Supply



ASSUMES NEW DUTIES — Commander William J. Snyder, left, goes over some of the details of his new job as Director of Supply. Cdr. Snyder relieves Capt. Paul W. Jeffrey who takes on new duties at Mare Island.

Commander William J. Snyder, SC, USN, relieves Captain Paul W. Jeffrey, as Director of Supply. Captain Jeffrey will report to the San Francisco Bay Naval Shipyard as Supply Officer on May 3, after having served as NOTS Director of Supply for the past two years.

Commander Snyder has served as Associate Director of Supply for the past three years, reporting here in June 1964. He has a vast background in supply operations and is well-informed on the policies and procedures governing the supply organization aboard the Station.

He attended George Washington University, Arizona State College and Bethany College, West Virginia, and completed his post graduate work at the U.S. Naval Postgraduate School at Monterey just prior to reporting to NOTS.

Some of his afloat assignments have been in the USS Durik, USS Otter, USS Willard Keith, USS Hamner and USS Francis Marion. He also served as Ship Repair Facility Liaison Officer at NSD, Yokosuka, and was Assistant Nuclear Weapons Division Head at the Naval Ordnance Supply Office, Mechanicsburg.

Commander Snyder, with his wife Ann, and three daughters; Robbyn, Sheryl and Carol, reside at 204 Blueridge aboard the Station.

RAdm. Dornin Will Soon Relieve RAdm. Brandley

Rear Admiral Marshall E. Dornin has been named prospective Commandant of the Eleventh Naval District. He is scheduled to relieve Rear Admiral Frank A. Brandley, Aug. 31 in San Diego.

Prior to assuming his present job in Norfolk, Va. as Commander Operational Test and Evaluation Force in June 1965, Admiral Dornin was stationed in San Diego as Commander Cruiser-Destroyer Force, Pacific Fleet.

Admiral Dornin was Superintendent of the Naval Postgraduate School, Monterey, Calif. from March, 1961 until August, 1963, when he assumed command of the Cruiser-Destroyer Force.

A native Californian, he attended San Francisco public schools, and was graduated from the Naval Academy with the class of 1930.

Admiral Brandley, who will retire from naval service, assumed command of the Eleventh Naval District Dec. 30, 1965. He and Mrs. Brandley, the former Suzanne Rule of St. Louis, Mo., and Coronado, will live in Coronado.

Admiral Brandley served as Commandant during a period in which the Navy for the first time became a one-billion-dollar-a-year business in San Diego.

LOCKING CAR DOORS

The practice of locking car doors from the inside before driving can also curb traffic deaths and injuries by helping to keep motorists inside the auto in case of a serious mishap.

Business And Professional Women Win Office And Honors At Meeting

The China Lake Business and Professional Women's Club was well represented at the Tri-Valley District meeting of the California Federation of Business and Professional Women's Clubs at their Eleventh Annual Meeting on April 15 and 16, at the Hollywood Roosevelt Hotel.

Those attending from China Lake were June Brown, President; Mary Neufeld, Marie Parks and Jean Swedblom, Delegates; District World Affairs Chairman Alice Lafleur; Marjorie Reed, Wardna Abernathy Clara Bower, and Eleanor Manos, Alternates; Grace Kelley, Ruby Shriner, June Wright, and Judith Ann Glor, Young Career Woman candidate along with Diana Young, George Shriner accompanied his wife and attended the Installation Banquet.

Awards and Honors

The China Lake Club won the trophy for the best Press Book. Helen Cornett was Press Book Chairman, and Beulah Glidewell, Publicity Chairman. Eleanor Manos won the Leadership Speak-off and will represent Tri-Valley District in the competition at State Convention in Palm Springs on Friday evening, May 19. June Wright also entered this competition. She has won every award given by the Leadership Class except the trophy won by Mrs. Manos.

Ruby Shriner, Past President of the China Lake Club, was elected and installed as Tri-Valley District Recording Secretary for 1967-68. June Brown was appointed by Jo Juras, the new District President

from Reseda, as Tri-Valley District Civic Participation Chairman; Alice Lafleur was appointed Tri-Valley District Legislation Chairman, and Wardna Abernathy was appointed Tri-Valley District Historian. All these members are Past Presidents of the China Lake Club.

Second and Third

Other awards afforded the China Lake Club were second place for Club Bulletin and third place for "Club of the Year" award. Clara Bower has served her club as Bulletin Editor for the past year. The Club of the Year award is based on attendance at meetings, member participation in meetings, and its impact on the community and membership.

Judith Ann Glor represented the China Lake Club in making her presentation for the speak-off in the Young Career Woman competition.

Billie Marker from the China Lake Club prepared desert holly corsages for all attendees from China Lake to wear on Friday evening and Saturday morning. These were made especially to advertise Mrs. Shriner's candidacy for Recording Secretary.

New President

The new President, Jo Juras, selected "Rocket to Reality" as her theme for the coming year. Thora Swerdfeger, President, presided at the Installation, with Marion O'Brien, California Federation Personal Development Chairman, installing the new officers. Entertainment for the evening was furnished by the Mary-Annettes.

Farewell Party



ADMIRE PORTRAIT — Captain and Mrs. Paul W. Jeffrey admire an oil painting that was presented to them as a going away gift during the recent party in their honor at the Commissioned Officers' Club.



PLAQUE PRESENTED — Captain Paul W. Jeffrey, NOTS Director of Supply for the past two years, inspects a NOTS plaque that he received as a going away gift. Capt. Jeffrey will assume the duties of Supply Officer, San Francisco Bay Shipyard, Mare Island on the 3rd of May. Note lifesize picture on wall.



SYMBOLIC MODEL — H. G. Wilson, NOTS Associate Technical Director, presents a model of the Sidewinder missile which is almost a trademark of NOTS, to Capt. Paul W. Jeffrey. The presentations in these three pictures are but a few of the many he received.

Laker Inventiveness Rewarded In \$1700 For Devices, Methods



INVENTORS GATHER — Meeting for presentation of invention awards are (l-r) Capt. Robert Williamson II, NOTS Executive Officer; David Kermode; Jack Dierolf; Cdr. Dale Cox; Al Celestine; Paul Bevis; Frank

Crescenzo; Carl Daus; Tom Garcia; Roy Miller, Patent Counsel, and Harry Porter. Inventors hailed from length and breadth of NOTS.

—Photo by PH3 Jerry Willey



WIN CASH AWARDS — Among the 26 inventors taking \$1700 in awards were (l-r) Bob Geres, H. Powell Jenkins, Larry Biggs, Bill Burdette, Bill Donaldson, Jim Weim-

holt, Ben Lee, Mike Halling, Rosemary Whitman and Carroll Butler, with Capt. Williamson.

—Photo by PH1 Gary Bird

Safe Driving Awards Presented



DRIVING PROS THANKED — NOTS Security Officer Lt. S. R. McMullen (left) recently presented safe driving awards for 1966

to policemen (l-r) L. N. Reyes (his 8th), Sol Sherman (8th), D. F. Crager (8th), G. D. Hunsaker (2nd) and E. J. Roy (2nd).

26 Awards Made For 13 Projects During Ceremony

Throughout NOTS, engineers, researchers, technicians and tradesmen have taken the opportunity of a job or project to produce unique devices and methods of even greater value than the immediate job required.

Many of them were recently rewarded for their initiative and imagination with the presentation of 26 awards totalling \$1700 for 13 inventions by the Patent Division at a gathering April 14 at the Administration Building.

The roll call of awards shows the range and variety of grassroots inventiveness at China Lake.

From Code 45, Jud Eldridge split \$250 with Elmo Julian (now terminated) for their process for making Teflon extrudable. Bill Burdette received \$250 for a gelled amine rocket fuel composition, Jack Dierolf received \$100 for a novel dense propellant composition, and Dr. Kaufman, John O'Drobink and James Dake shared \$100 for a hybrid propellant system.

Code 45's Bob Geres and Joe Atkins (now terminated) divided \$100 for their hypergolic slug igniter, Leroy Krzycki and H. Powell Jenkins shared \$100 for a method of propellant injection for hybrid rockets, and Rosemary Whitman, Carroll Butler (now retired), Bill Donaldson of Code 40 and Harry Porter of Code 55 shared \$100 for their consumable material for use in non-lethal delivery systems.

From Code 40, Frank Crescenzo, and Bob Dow and Ben Lee of Code 45, shared \$150 for a slow burning propellant composition. Jim Weimholt and Larry Biggs shared \$100 for a pyrotechnic - actuated folding fin assembly, Jim Weimholt received \$200 for his method and device for rapidly mixing chemicals in a sealed container prior to launch, and Michael Halling received \$100 for an arming and safety mechanism for a drag chute retarded bomb.

Tom Garcia of Code 75, Carl Daus of Code 30, Al Celestine of Code 45 and Paul Bevis of Code 35 shares \$100 for their protective camera enclosure. David Kermode of Code 35 received \$50 for a glide slope indicating system which he invented with CDR Dale Cox formerly of Code 90.

College Art Show To Begin Tonight

The Bakersfield College Desert Division's art show begins tonight at 7 p.m. in classroom No. 1, with the work of both students and instructors on display.

Show time is to last to 10 p.m. tonight and take up again at 10 a.m. tomorrow, to last until 4 p.m. Entry deadline for the show has been extended to today at 6 p.m. Entry forms are available at the College office. Further information is available at 375-5276.

Wins Chestful Of Air Medals



LT. STEPHEN T. WERLOCK

Lt. Stephen T. Werlock, VX-5 Personnel Officer, was presented recently with six gold stars, in lieu of six Air Medals; one silver star, in lieu of the sixth Air Medal, and a Navy Commendation Medal in a ceremony at VX-5.

Capt. W. B. Muncie, Commanding Officer, passed on the awards to Lt. Werlock from the CO of Attack Squadron 153. The lieutenant now holds the equivalent of 10 Air Medals.

He was cited for his performance as a pilot attached to VA-153 aboard the USS Constellation off Viet Nam from July 10 to August 1, 1966, in 10 air strikes.

In remarks he sent with the awards, Cdr. David E. Leue, CO of VA-153, said, "The devotion to duty, expert airmanship, and courage evidenced by your actions... are singularly laudable and deserve the respect and admiration of your contemporaries and countrymen."

Harney Elected To Fill Vacancy

China Lake resident H. E. Harney was elected to the Board of Directors of the China Lake Community Council at their recent meeting. He will fill the vacancy left by LCdr. Russell Myers for precinct 1 and 2.

Harney is head of the Maintenance Control Division of Public Works, and will serve as the chairman of the Housing and Community improvements committee of the council.

During the meeting Lawrence Mason, chairman of the Spring Cleanup campaign, announced that this year's campaign will be conducted with the cooperation of the Public Works Department and the Housing Office. These groups will furnish a limited amount of paint, fence posts, and stringers for fence repairs. Also, during that week, May 6 to 12, Public Works will pickup extra trash and provide fill dirt for landscaping.

The Council will also conduct a "yard beautiful" contest which will be judged by the Oasis Garden Club. Cash prizes and certificates of recognition will be presented to the winners.

Operation Palette II Shows Navy in Art

Gives Artist's View of Navy In Bakersfield

Operation Palette II, a showing of U.S. Navy art now visiting Bakersfield's Civic Auditorium, represents a portion of the accumulated heritage of decades of the artist's growing and developing interest in America's fleets in combat and in peace.

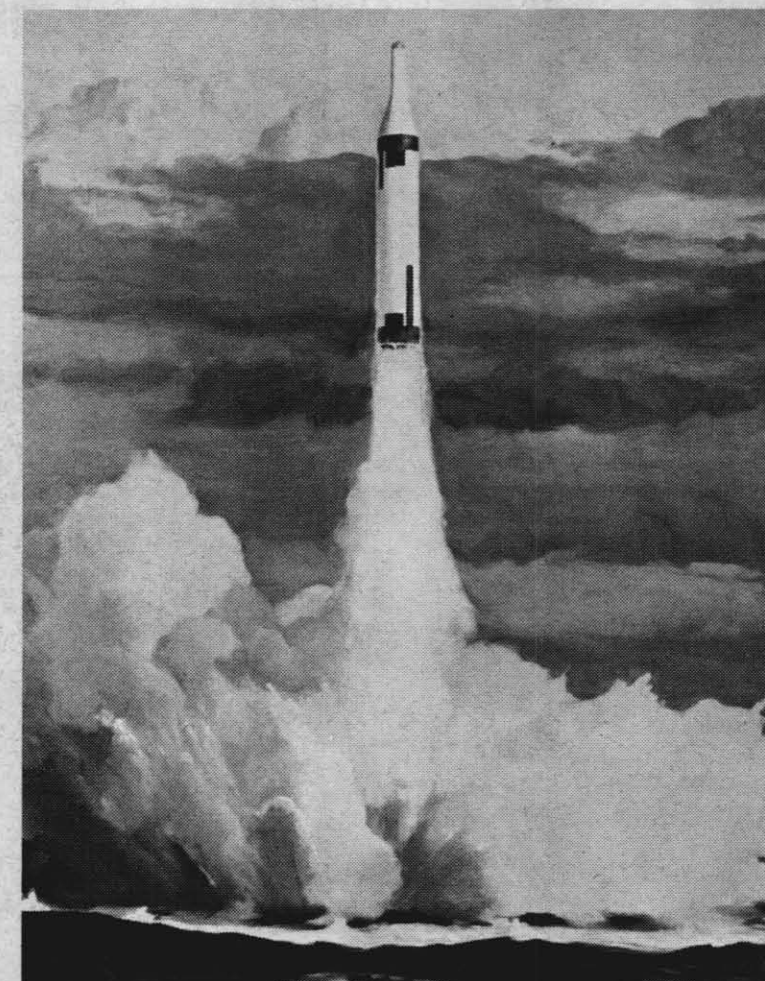
That interest grew into a Combat Artist's Corps during World War II, and has spread out into every part of Navy life today. The result is a collection now valued in excess of \$2.5 million. Operation Palette II, "The U.S. Navy Today," represents some \$300,000 of that.

Palette is a truck-borne show visiting all U.S. cities where there are Naval Training Centers — a five-year operation. It's showing of 115 paintings in Bakersfield is to run through Monday, May 1. Of these works, 16 are by four West Coast artists.

The art works include pieces done in casein, an opaque water-base paint; charcoal; charcoal and chalk; gouache; an opaque watercolor using certain casein paints on water color paper; ink wash; oil; oil on water color paper; color pencil; scratchboard — a clay-coated cardboard on which the drawing has been painted first with black or colored inks then scratched away for the desired effect; and watercolor.

Also on display is the Navy's first Aquatec painting. Aquatec is an acrylic-vinyl compound composed of many fine particles of a solid copolymer suspended in water. As the water dries, the particles come together to form a smooth, nonporous surface. This medium is strongly adhesive, does not yellow, is permanently flexible, and can be cleaned by simply washing with water.

Each of the artists represented in the 15 paintings contributed through the members of the Salmagundi Club of



"POLARIS UNDERWATER FIRING"—Oil by Bollendonk

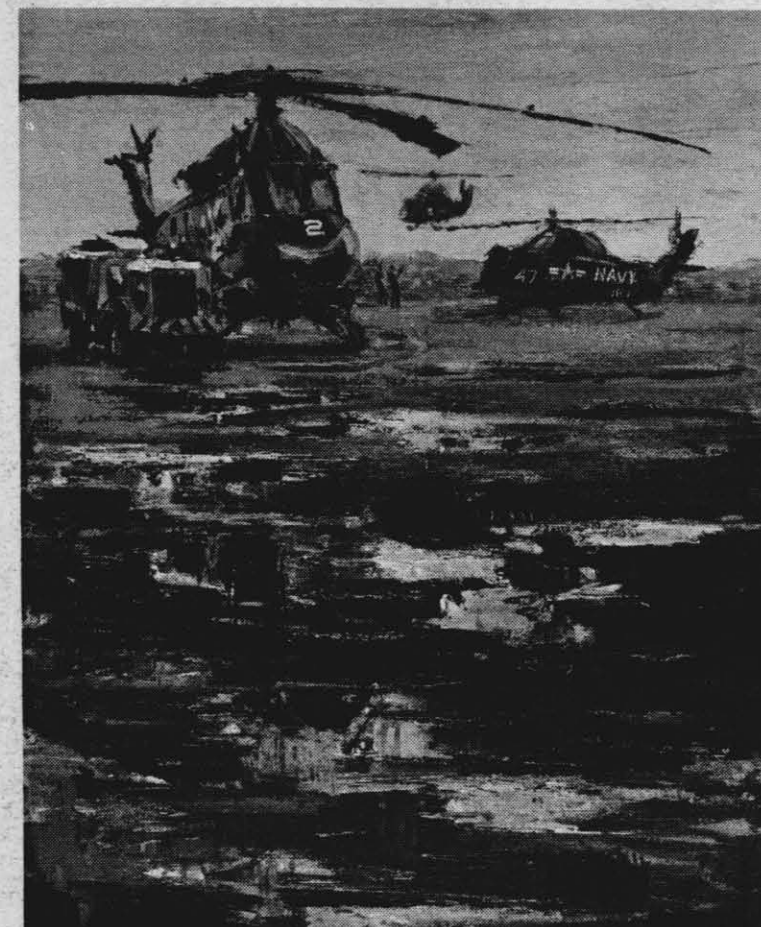


"CDR. WALTER SCHIRRA"—Pastel by Daniel Greene

New York and Hollyhock House, Los Angeles, have depicted the scenes of Navy and Marine actions in his own individual way, using one or more of the above techniques.

In some instances the combat action, climate, limited time, or other reason dictated the medium to be used. In the Antarctic, water colors and normal paints would freeze before they could be applied. In the South Pacific oils were almost unusable in rainy seasons and monsoons, so water colors were replaced by crayons and inks.

Some of the paintings were executed on the scene; others were painted behind the lines from sketches and photographs. None of the 3,000 paintings in the Navy's combat art collection was done unless the artist was the actual witness and was present during the action painted.



"REFLECTIONS"—Oil by Ben Abril



FOYER of Bakersfield Civic Auditorium and focal point of Operation Palette where

visitors will view 115 Navy paintings on display this week, ending May 1.



PART OF HUGE EXHIBIT of Navy Combat Art in Bakersfield Auditorium valued

at \$300,000 and representing memorable action in war and peace.

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638



"IT'S A CROW" — Congratulations are in order for Jerry Clark, a photographer in the Pasadena Public Affairs Office on his promotion to Photographer's Mate Third Class. The new rating badge is presented to him by Capt. G. H. Lowe, ComNOTS, as Nova Semeyn, NOTS Pasadena Assistant Public Affairs Officer, smiles her approval. Jerry enlisted in the Navy in his hometown of Jacksonville, Florida, in October 1965. Following recruit training, he entered the Naval Photographic School in Pensacola, from which he graduated with the highest scholastic average, in his class of 31 students. Significantly, Jerry's father recently retired from a 20-year naval career with a Photographer's Mate First Class rating. In his off-duty hours, the new PH3 attends classes at Pasadena City College.



HOWARD AND FRIEND — Howard Miller, P80932, runs a visual inspection on the shock absorbing device he designed for the inside of an ASROC nose cap to protect the torpedo transducer. The urethane foam, similar to styrofoam, was molded into the shock absorber and left a residual material in the mixing cup. This waste material kept foaming and rising to create a form that Howard's imagination and a couple of odd bits of hardware transformed into a smiling face.

PASADENA PROMOTIONAL OPPORTUNITIES

To apply for positions, contact Christine Marchand, Pasadena Personnel Division, Extension 278. A current SF-58 must be submitted when applying.

Mechanical Engineer, GS-9 or GS-11, Code P8027 — Incumbent will conduct environmental tests of torpedo hard-

ware and tests of thermal propulsion systems at the Morris Dam facility.

Engineering Draftsman (General), GS-5 or GS-6, Code P7111, PD No. 6P71003 — Preparation of preliminary and final drawings for the construction, alteration, repair and

Hail The Champs

By RAY HANSON

The El Toros are the 1966-67 NOTS bowling league champions. The Toros finished 4.5 games in front of the second-place Low Bowls. The winners posted a record of 68 wins, 44 losses, while the Low Bowls finished up at 63.5-48.5.

The Toros, consisting of Dory and John Aitchison, Nova and Len Semeyn, and Ed Karig, fought a dogged battle against injuries, bowling-alley-bankruptcies, fires, floods, and famines on the way to the feast. Third place went to Milt's Marauders, with a record of 63-49. Mert's Marshmallows were fourth (59.5-52.5), the What-NOTS and the Quiet Five were tied for fifth (59-53), the White Tornadoes were sixth (58-54), and the Channel Kats were seventh (55-57). Eighth place went to three teams, the Xclusives, the Wild Five, and Lyle's Lemons, all tied at 53-59. Cy's Cynics took ninth place (50-62), Donald's Ducks tenth (48-64), and the Hunees eleventh (42-70).

Individual honors for the season went to the White Tornadoes, who had the high team series (3081), Milt's Marauders for their high team game of 1121, Ward Herrick for his high series of 724, Irene White for her high series of 684, Keith Wills for his high game of 286, and Pat Preston for her high game of 264. Roger Parker was honored as the most-improved male bowler, while Jo Ann Roesener was the most-improved bowler on the distaff side. All trophies and awards were furnished by the Employees Service Organization.

Roll-off night honors were as follows: high team series, White Tornadoes, 2959; mixed doubles high series, Irene White and Lyle Emerick, 1242; men's doubles high series, Milt Blatt and Clyde Flynn, 1265; women's doubles high series, Irene White and Sue Marimon, 1202; men's singles high series, Lyle Emerick, 648; women's singles high series, Yvonne Benson, 633.

High scores for the 27th and final week of league play were as follows: team series, Milt's Marauders, 3053; team game, Hunees, 1016; men's series, Milt Blatt, 713; women's series, Elayne Colson, 610; men's game, Len Semeyn, 244; women's game, Maxine Talbot, 234.

Signups are now being taken for the NOTS Pasadena summer league. Play will begin May 10, at the Bahama Lanes. Interested bowlers, especially newcomers, should contact Bill White on Ext. 474 for details.

maintenance of structures, roads, docks and piers, utility and fuel systems, test range systems, etc. Drawings range from preliminary layouts for A&E studies to working for shop or contractor construction. Knowledge of electrical, mechanical, and structural drafting required.

Commander H. F. Burns Leaves Twenty-five Year Naval Career

Commander Hugh Francis Burns terminates his nearly 25-year Naval career on May 1, 1967. He has been the Associate Director of Supply at NOTS Pasadena since July 1964. Just prior to NOTS he served as Supply Officer at the U.S. Naval Avionics Facility, Indianapolis, Indiana and before that as Airframes Stock Control Officer, Aviation Supply Office, Philadelphia, Pa.

Cdr. Burns entered the Navy in October 1942 and was commissioned in August, 1944, through the V-12 Program.

A native Philadelphian, he attended Villanova College in that city, received his Bachelor of Business Administration from the University of Texas and an MBA from the University of Michigan. He received his Supply Corps training from the Naval Supply Corps School at Harvard University.

Cdr. Burns and his wife, an ex-Navy nurse whom he met on Saipan in 1947, have eight children.



CDR. HUGH F. BURNS



PRESENTING GUEST SPEAKER — Captain G. H. Lowe, ComNOTS, introduces John L. Regan (l), as guest speaker at a recent NOTS Pasadena Senior Personnel Management Meeting. Regan, General Manager of the Pasadena Chamber of Commerce and Civic Association, spoke on, "Ethics and Business." The event was held at Eaton's Santa Anita Restaurant in Arcadia.

It's Wild Flower Time!

While our justly famed desert wild flowers are getting the lion's share of the publicity, our local Los Angeles wild flowers are also blooming these days, reports Eldon Dunn of the NOTS Pasadena Guidance and Control Division. Eldon made a presentation recently under the auspices of ESO, in which he described and illustrated the many varieties of blooms to be seen this time of year.

Eldon became interested in photographing desert wild flowers soon after he came to work for NOTS, China Lake, in 1951, and still pursues his hobby. However, after transferring to Pasadena in 1961, he began

to add coastal and mountain wild flowers to his collection. He found a few species which grow in the local area as well as in the desert, and he found many more "city cousins" of species he had already encountered on the desert.

Eldon reports that some good areas to look for wild flowers, which should remain in bloom for several weeks yet, are in the Puente and San Jose Hills, along Turnbull Canyon Road above Whittier, and in the mountains above La Canada. There is much color between Lancaster and Gorman in the Antelope Valley, as well as in Soledad Mountain south of Mojave.

EDITORIAL

Lawmakers in Action

LEGISLATION now before Congress proposes a 5.6 percent basic pay increase for members of the armed forces.

In this pay bill, the Department of Defense sent a request simultaneously to the Speaker of the House and the President of the Senate as part of the Defense legislative program.



The measure has been referred by both houses to their Armed Services Committees.

The chairman of each committee has introduced identical bills on the proposal.

In a bill of this nature, hearings are normally held and Defense Department officials asked to testify.

Once in a committee, the bill may be amended. Assuming a favorable report is made by the committee, the bill is then sent to the floor of the House or Senate to be debated.

At the end of the debate, a voice or roll-call vote is taken and if the bill passes by a majority, it is sent to the Senate (assuming the House acted first) where the House bill is considered. If the Senate has not yet held hearings on its bill, it will consider the House proposal, but may amend it and report out a new bill.

If the House and Senate debate their own bills and pass them with any differences between the two or if an amended version of the House bill is passed by the Senate, a conference committee is appointed by each House to resolve the differences.

Once approved by both House and Senate, the bill is sent to the President. The bill becomes law after it is signed by the President or when passed a second time by a two-thirds vote of Congress over a Presidential veto.

If the President holds the bill 10 calendar days (excepting Sundays) without signing it, the bill automatically becomes law. However, if Congress adjourns during the 10 days, the bill is automatically killed. (AFNB)



SAFE OPERATOR—Arthur B. Breslow (r) of Code 45's Explosives and Pyrotechnics Div., receives a 10-year supervisor safety award from Capt. Robert Williamson II, NOTS Exec. The ward recognizes 10 years without a lost-time accident in Breslow's shop. With him are (l-r) Norman Rumpff, division head; and Dr. G. W. Leonard, head, Code 45.



GETS GOLDEN SHOE — Randall L. Schmuck of the China Lake Fire Department receives his Golden Shoe Award from Howard Bodwell, NOTS Security Dept. Assoc. Head, for escaping serious foot injury recently. Schmuck was wearing safety shoes provided with steel toe caps.

Policy Is Issued On Uniform Wear For All Services

A new policy prohibiting the wear of military uniforms in certain circumstances by all service personnel has been incorporated for the first time in a single DOD directive.

DOD Directive 1334.1, signed by Deputy Defense Secretary Cyrus R. Vance, is effective immediately.

It prohibits wearing the military uniform by all personnel, including active duty, reserve, retired and honorably discharged members:

At any meeting or demonstration of any organization, association, movement and group designated by the Attorney General as totalitarian, fascist, communist or subversive or advocating acts of violence to deny constitutional rights or to overthrow the government.

During private employment or commercial activities in which official sponsorship could be drawn.

Under circumstances tending to bring discredit on the Armed Forces.

Under other circumstances that may be specified and published by the secretaries of the military departments.

The directive also specifies the ceremonial and patriotic occasions when honorably discharged servicemen may wear the uniforms, such as military funerals, memorial services and inaugurations.

Full-scale Test Is Now Underway

The U.S. Navy initiated, during March, 1967, its first full-scale test of a large remote computing time-sharing effort at NOTS, utilizing the UNIVAC 1108-II System. This large-scale information processing system, primarily installed to support the varied and complex research and development work at NOTS, is also utilized to provide primary computational support to an experiment, linking the RADLAB (Radiological Defense Laboratory) San Francisco, Calif., to the NOTS installation on a customer-user basis.

Communications circuits between the two laboratories, located 425 miles apart, will be activated to provide millisecond response between the central computer installation at NOTS and the scientists in San Francisco. It is anticipated that by Sept. 1967 both the batch processing and simultaneous conversational type capability will be fully operational.

Under this concept, the UNIVAC 1108-II at NOTS will service four high-capacity batch terminals, and approximately 25 conversational terminals distributed throughout both NOTS and the RADLAB.

The current goal of the Naval Material Command is to achieve during the 1970/1971 time-frame considerable additional capacity through the establishment of similar remote computing/time-sharing centers within pertinent geographical areas of the Naval Material Command.

NAF, VX-5 Air Show Planned For Armed Forces Day, 1967

NAF and VX-5 will star in upcoming Armed Forces Day activities and open house at NOTS on Saturday, May 20, and will be joined in the observance by displays of planes, weapons, and tours of Michelson Lab, announced Capt. G. H. Lowe, ComNOTS.

"What we do with men, money and materials, and why we do it," is the theme of Armed Forces Day, 1967, at China Lake, and supports the national theme, "Report to the Nation."

At the head of plans-making for the observance this year is Cdr. Don Johnson of VX-5. His Armed Forces Day committee members are Richard W. Rusciolli, Robert Reese, J. T. Bibby, Alfred H. Wacker, Ancel B. Adams, Ray Sinnott and Fred L. Richards.

The local Kiwanis Club will launch the day for early risers and early visitors with another installment of their yearly pancake breakfast from 6 a.m. to 10 a.m.



CDR. DON JOHNSON

Research, Development Center Is Established

Vice Admiral I. J. Galantin, USN, Chief of Naval Material, announces that effective March 31, the David Taylor Model Basin, Carderock, Maryland, and the Navy Marine Engineering Laboratory, Annapolis, Maryland, will consolidate to form the Naval Ship Research and Development Center.

The consolidation of these two activities will result in a more economical and efficient operation in the entire area of ship research and development. For the first time, the Navy will have a research and development center with the capabilities and expertise to attack ship structural and propulsion technical development concepts on a total ship basis.

The new Naval Ship Research and Development Center provides the framework for building on existing capabilities to ensure complete and thorough coverage of all disciplines related to the whole ship as a vehicle, and will perform research, development, test and evaluation work in hydrodynamics, structural mechanics, aerodynamics, acoustics, vibrations, mathematical analysis and computer techniques, and marine engineering. The Center will not only benefit the Navy but the entire maritime industry as well, and portends a future for coordinated ship concept research and development programs which has never before been possible.

The Commanding Officer and Director of the Center is Captain Manuel da Costa Vincent, USN, who will operate out of Center Headquarters at Carderock, Maryland. The Annapolis Division will be headed by Commander J. D. Evans, USN, as Officer-in-Charge.

Dr. Alan Powell is the Technical Director of the new Center, assisted by the following Associate Technical Directors: Mr. H. V. Nutt, of the Marine Engineering Laboratory at Annapolis; Dr. William Cummins, Hydromechanics Laboratory; Commander Thomas Lechner,

USN, Aerodynamics Laboratory; Dr. William Murray, Structural Mechanics Laboratory; Mr. Gene Gleissner, Applied Mathematics Laboratory; and Mr. Westley Curtis (Acting), Acoustics and Vibrations Laboratory.

The proposed new organization is designed to achieve its assigned objectives with least interruption of present effective organizations, the least movement of people and facilities, and at lowest cost.

Dedication of the newly constituted Center will be held March 31, 1967 at Carderock, Maryland, at 10:00 a.m. The principal speaker will be The Honorable Graeme C. Bannerman, Assistant Secretary of the Navy for Installations and Logistics.

Desert Orchestra Spring Concert Set for May 14

The Desert Community Orchestra will play its second spring concert Sunday, May 14, 8:15 p.m., in the Station Theatre, according to William C. Ward, president of the Board of Trustees.

This 40-piece symphony is comprised of professional, semi-professional and student musicians. Anyone in the Indian Wells Valley who can play a musical instrument is invited to join, and attend rehearsals on Monday nights at 7:30 p.m. in the Burroughs Band Room. Next week only, however, due to the annual meeting, rehearsal will be held on Tuesday.

The public is invited to attend the May 1 annual meeting of the Desert Community Orchestra Association at 8 p.m. in the China Lake Community Center. This non-profit organization is supported by the public subscriptions of its members and friends. Everyone is eligible to belong. Without the support of the public such an endeavor could not survive.

CHAPLAIN'S MESSAGE

"Passover: Fireworks vs Meditation"

BY STUDENT RABBI MEL SILVERMAN



"This is the season of our liberation from Egyptian bondage," says the Haggadah, the passover story read in the Jewish home on the first night of Passover (the Seder). On all other nights we eat leavened bread but on this night we eat unleavened bread or Matza.

The Hebrews hastened to depart from Egypt and therefore were bidden to bake their bread without waiting for it to rise. To this day, Matza is still part of the Passover dinner. Most of the festival's symbols have lost their historical raison d'être, and remain symbols, like Haroses, a mixture of chopped apples, nuts, raisins and cinnamon pounded into a kind of paste, symbolizing the mortar which the Israelites were forced to tread for the building of Rameses' pyramids.

Passover's fundamental importance lies in the fact that it is one of those few times in the year when families get together and actually recite prayers at home — and out of a book!

Too many of our American holidays, both secular and religious, are spent in any but observant ways. Witness the processions of automobiles on the highways, and lineups at the liquor stores and bars on holiday weekends.

Next July Fourth, instead of the usual noisy and infantile display of fireworks, try inviting the family over for dinner, and instead of reading the how-to directions on the back of a box of Red Devil Fireworks, read some passages from the Declaration of Independence or recite the Preamble.

Eating together is a standard method all over the world of establishing ties of kinship. Companion means properly one who shares bread with another; while the word for "family" (Gaelic cuedich) denotes those who eat together. I can't think of a nicer way to spend a holiday.

The fireworks ended in 1776; let's Revolutionize our observance of American holidays by reflecting about their significance in quiet companionship.



CERTIFICATE OF MERIT—Captain Robert Williamson II, NOTS Executive Officer, recently awarded the above Department of Defense Certificate of Merit to the staff of the Rocketeer. The Rocketeer was judged to be the best military offset newspaper in the United States.

The Rocketeer

Official Weekly Publication

U. S. Naval Ordnance Test Station
China Lake, California

Capt. G. H. Lowe, USN

Station Commander

"J. L." Bibby

Public Affairs Officer

Joan Rader

News Bureau

Frederick L. Richards

Editor

Staff Writers

David L. Kinsey

John R. McCabe

Staff Photographers

PH1 Jerry Williams, PH1 Gary D. Bird,

PH3 Jerry Wiley, and

PH2 Ralph Robey (Pasadena)

DEADLINES:

News Stories—Tuesday, 4:30 p.m.

Photographs—Tuesday, 11:30 a.m.

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Phones—71354, 71655, 72082



DIVINE SERVICES

Christian Science (Chapel Annex)—
Morning Service—10 a.m.
Sunday School—10 a.m.Protestant—(All Faith Chapel)—
Morning Worship—8:15 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 12:30 p.m. Sunday.
Daily Mass—11:30 a.m. in Blessed Sacrament Chapel. Saturday, 8:30 a.m.
Confessions—7 to 8:00 p.m. Saturday.

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, 95 King Ave.) Sunday, 7:30 p.m.

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.

Electronic Engineer, GS-9 or 11, Code 3023 — This position is in the Range Design Branch and will act in a liaison capacity with Fire Control development groups, both contractor and NOTS, in installations at the Weapons Control Facility. He must be familiar with digital techniques to perform testing, evaluation, modification and coordinate the installation of prototype digital FC equipment.

Electronics Technician, GS-7, 8 or 9, Code 3023 — This position is in the Weapons Control Facility Section, Range Design Branch G-1 Range, which is engaged in testing and development of digital fire control systems. The incumbent of this position will be responsible for maintenance and effective operation of experimental components of a digital fire control system. He will be required to construct, modify and trouble shoot prototype equipment. He will be responsible for gathering test data on experimental components of a digital fire control system.

File application for above with Fawn Haycock, Bldg. 34, Room 34, Phone 71514.

Clerk-Dictating Machine Transcriber, GS-316-4, PD No. 755052, Code 5533 — The incumbent is Branch Secretary in the Telemetry Branch, Product Design Division, Engineering Department. The incumbent is responsible for the following: Initiating follow-up on correspondence to determine when such correspondence will be answered, and to insure that replies are completed on schedule; preparation and editing of correspondence submitted by personnel in the Branch; preparing travel orders, filing, etc.

Secretary (Dictating Machine Transcribing) GS-316-5, PD No. 755051, Code 553 — This position is located in the Product Design Division, Engineering Department. The incumbent provides clerical and administrative assistance to the head of the Product Design Division through relieving him of the portion of the office routine not requiring professional or technical skills. Receives telephone calls and official visitors, keeps the supervisor's calendar, makes travel and accommodation arrangements involving off-Station travel, reviews all outgoing correspondence originating within the Division, etc.

File applications with Jean Cheever, Code 657, Room 24, Phone 71514.

General Engineer, GS-801-11 or GS-12, Code 7038 — This position is located in the Planning and Specifications Branch, Engineering Division, Public Works Department. The incumbent of this position furnishes engineering services for the development, justification and submission of projects to the cognizant agency for funding and is responsible for the real property administration. He must initiate and develop correspondence and memorandum concerning policy and procedures in all real estate affecting this activity. Specific areas encountered in performance of the real estate matters are in-leases and out-leases, licenses, mining claims, disposal proceedings, easements grants, right-of-way, new acquisition, special land use permits, and etc.

File applications with Dora Childers, Code 657, Room 32, Phone 71392.

Clerk-DMT, GS-4, Code 4004 — Types technical notes, reports, correspondence, forms, etc. from either rough draft or recorded dictation. Acts as office receptionist and performs miscellaneous office-clerical duties. Qualifications: Two years clerical-typing experience, one year of which must have included transcription from dictating machine.

RF ENGINEER, GS-11, 12 or 13, Code 4023 — This position is in the Special Projects Branch, Anti-Radiation Division. This position will be directed toward the Shrike Target Identification and Acquisition System (TIAS). Duties will include: System Design; Component Design; System Design; Coordination; Contract Direction; and System Engineering.

Video Engineer, GS-11, 12 or 13, Code 4023 — Located in the Special Projects Branch, Anti-Radiation Division. This position will be directed toward Special Projects for application in Viet Nam, and for the Shrike Improved Display System (SIDS). Duties will include Video Circuit Design; System Engineering; Manpower; Receiver Design; Coordination; and Contract Direction.

Video Engineer, GS-11, 12 or 13, Code 4023 — Located in the Special Projects Branch, Anti-Radiation Division. This position is that of a project engineer for the Shrike Target Identification and Acquisition System (TIAS) Receiver. Duties include Video Circuit Design; System Engineering; Manpower; Receiver Design; Coordination; and Contract Direction.

Aircraft Systems Engineer, GS-11, 12 or 13, Code 4023 — Located in the Special Projects Branch, Anti-Radiation Division. This position will be directed toward the Shrike Target Identification and Acquisition System (TIAS) and Special Projects for application in Viet Nam. Duties will include Aircraft Installation Design; Aircraft Test Instrumentation Design; and Contract Direction.

File applications for above with June Chipp, Bldg. 34, Room 26, Phone 72676.

Electronics Engineer, GS-9, 11, 12, Code 4081 — Position in the SHRIKE Missile Coordination Group. The incumbent plans, monitors, and coordinates work performed in the planning and advanced version of the SHRIKE Control Section, telemetry, packaging and test equipment. The above work is that of a Project Engineer who should have a basic knowledge of project plans, documentation, instrumentation and

'DESERT PHILOSOPHER'

Live and Enjoy It

By "POP" LOFINCK



What I'm really trying to say is — live here — in this upper Mojave Desert area. However I'm sure that there are those who won't agree with me. Consider this — why is this area such a good place to live? Because whatever your hobbies or desires may be, you can exercise them and enjoy them without going very far.

Now lay out a map on the table. Taking Ridgecrest as the hub or center, lay out a circle with a 125 mile radius. Within this circle there is every type of geography and climate. Think of that!

HIGHEST TO LOWEST

To begin with there is Mt. Whitney — like the Alps — highest point in the United States (except Alaska). And the lowest point in the Western Hemisphere is at Badwater in Death Valley — land of the desert Bighorn Sheep.

In the High Sierra — within this radius is Kings Canyon National Park and the live Palisade Glacier on the park's northeast rim, west of Big Pine. Also hundreds of small lakes — with lots of fish — that can only be reached by packing in.

Also in this area is the Sequoia National Park with the big trees. The giant Sequoias are the biggest living things on earth. To the northeast — in the White Mountains — are the ancient Bristlecone Pines — the oldest living things on earth — older than the Sequoias — but not as big.

From the rugged, picturesque heavily forested canyons of the High Sierra to the northwest you can go to the northeast sand dunes of Stove Pipe Wells — like Arabia.

Only 60 miles West of Ridgecrest is Lake Isabella — open season for fishing the year round. No limit on Crappies — a good pan fish — but there is a limit on trout.

In the south fork of the Kern River that flows into Lake Isabella — fishing only during the trout season.

Many newcomers are at first amused to see so many boats in the back yards of Ridgecrest and China Lake. But it's no joke — Lake Isabella is a great place for water skiing too. When the water is too rough, warning lights go on around the lake — to stay out.

SKIING IS AVAILABLE

In the winter there is snow skiing in the adjacent Greenhorn Mountains. So here's where you could live to get the most out of life — cool forested mountains — desert mountains like Arabia — sand dunes like the Sahara — high desert, low desert, canyons and valleys — creeks and lakes — and dry clear air — most of the time.

If you are a rock hound there are wonderful areas for collecting. And a fully equipped lapidary shop for cutting and polishing gemstones and expert advice on how to do it.

It often takes longer just to get out of a big city than to go from here to most of the places mentioned.

Come and see for yourself.

electronics. Periodic travel will also be required of the incumbent.

Electronics Technician, GS-7, Code 4021 — This position is that of Electronics Technician responsible for the operation of microwave instrumentation in the VHF Chamber located in the R. F. Measurement Branch, Anti-Radiation Guidance Division, Weapons Development Department. The primary function of this facility is the measurement, recording, and evaluation of electro-magnetic parameters of antennas and R. F. Systems associated with these antennas.

Business Manager, GS-9, 11, 12 (one vacancy), Code 4020 — Position is located in the Anti-Radiation Guidance Division, Code 4020. The purpose of the position is to supplement the technical proficiency of the Anti-Radiation Guidance Division's scientific and engineering supervisory staff with a high level of competency in the field of administrative management. The incumbent participates in all aspects of management, for example, budget, fiscal, management analysis and planning.

File applications for above with June Chipp, Bldg. 34, Room 26, Phone 72676.

Secretary (Steno), GS-316-5, Code 1424 — Secretary to Marine Corps Liaison Officer. Personal and telephone communications, information services, scheduling appointments, reviewing correspondence Office management, stenography, Clerical duties and Personnel for USMC.

File application for above with Sue Prasolowicz, Bldg. 34, Room 26, Phone 71577.

Mathematician, GS-9 or 11, Code 4565 — This position is located in the Analytical Section of the Warhead Analysis Branch. The Section is engaged in providing analytical support for the various warhead engineering, advanced development and exploratory development projects that are the responsibility of the Warhead Division. Incumbent will be responsible for the generation and documentation of new computer programs and the maintenance and revision of existing programs that are utilized by the Branch. In addition, the incumbent will perform analysis of computer output data in accordance with project requirements.

Mechanical Engineering Technician, GS-9 or 11, Code 4561 — Works up preliminary design information for warheads and components, prepares drawings, initiates procurement requests and shop orders. Does data reduction from fragmenting type warhead tests; uses desk calculator, slide

rule and mathematics. Designs warhead test set-ups, collects test data, prepares reports.

File applications for the above with Evelyn Maers, Bldg. 34, Room 24, Ext. 72723.

Motion Picture Production Specialist, GS-1071-5, 7, 1 Vacancy, Code 7923 — This position is in the China Lake Film Branch, Technical Information Department. The duties consist of: 1) maintenance of stock film library—40 to 60 per cent; 2) editing motion picture and sound, 30 per cent; 3) photography, 15 per cent; 4) sound recording and reproduction, 10 per cent; 5) miscellaneous, 5 per cent.

File applications for the above with Carole Cadde, Bldg. 34, Room 28, Ext. 71648.

Mechanical Engineer, GS-830-9, PD No. 435064, or GS-11, PD No. 535036-1, (1 vacancy), Code 3534 — Project engineer for design, test and development of pyrotechnical devices for project TIARA and THUN: DERBIRD. Applicant must be willing to travel. FAA pilot license desirable.

File application for above with Mary Morrison, Rm. 32, Bldg. 34, Phone 72032.

PROMOTIONAL EXAM

A complete promotional examination is announced for a Foreman (Leadman) Pipefitter Ann. No. NOTS-VA-9(67) issued 1 May 1967. Applicants must be Career or Career Conditional employees of the U.S. Naval Ordnance Test Station, China Lake, California. File card form NAVEXOS-4155-AB and Standard Form 57 with the Detached Representative, Board of Examiners 11ND, China Lake, California. Card form NAVEXOS-4155-AB and Standard Form 57 must be received or postmarked no later than 15 May 1967.

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THE LOCKER ROOM

The Local Scene

By ED RANCK



Tournament volleyball made an appearance at the gym last weekend for the first time in quite a while. The 1967 MDISL tournament provided local fans who were unfamiliar with the game an opportunity to see what power volleyball is all about.

The turnout for the tournament was rather small, but when you consider the lack of seating accommodations at the gym when the volleyball courts are set up, it wasn't bad at all.

The caliber of players in the MDISL is probably a little less than what was seen here in the Class "A" China Lake Invitational, but the MDISL teams seldom have the chance to work together as a unit for as long as most "A" teams.

The really great volleyball teams of course, are put together after years of hard work and practice. We mentioned the Nichibio girl's team of Japan a few weeks ago, and another team that comes to mind that also played the hard work into a national championship is the Westside JCC Club of Los Angeles. The fact that most of the military teams in this area are able to perform so well, despite constant personnel changes is surprising.

As expected, the Air Force dominated the tournament, with Norton, Edwards and George finishing in the top three spots, respectively. These three clubs, incidentally, were the only three teams to finish over the .500 mark in the eight team tournament.

Although George AFB finished third, they displayed the same quality that has made all their base athletic teams stand-out in the last year or so. The quality is hustle, and it is the thing that has made George a threat to win in all sports that they participate in.

VANDALISM IN VALLEJO

Those who attended Athletic Appreciation Night in February may be interested to know that Archie Moore has written recently, and expressed his thanks for the fine treatment he received here at China Lake. Archie, who made a lot of friends at China Lake with his performance that night, has had a bit of trouble in Vallejo recently.

It seems that one of the gyms which he uses in his ABC boxing program was vandalized, and quite a bit of damage was done. The ABC program is a youth athletic project for underprivileged kids. If the damage was done by some of the youth in the Vallejo area, which is entirely possible, it reminds you of the old adage about biting the hand that feeds you.

It's doubtful however, that there was much damage to the Old Mongoose's morale. The man is totally dedicated to the ABC program, and it's going to take a lot more than a few broken windows to discourage him.

IWV WINS WASCO MEET

The IWV swim team won their meet last Saturday, defeating the Wasco Tigersharks and the Delano Swim Club at Wasco. The team had to go through a snow storm to get to the meet, and the competition took place outdoors during a chilly rainstorm.

It was the fifth consecutive win for IWV, and there were a lot of familiar names among the local winners. Among those who won ribbons was Miss Jan Hillard, who is ten years old, but because of her size could pass for eight.

Jan has been one of the best swimmers on the club since last fall, and she's also been one of the top bowlers in the local AJBC youth bowling program.

TENNIS PROGRAM A SUCCESS

The first phase of the local Lifetime Sports Foundation project is rapidly coming to a close. It is expected that the China Lake Tennis Club's instruction program will officially end next Saturday, weather permitting. At this point the program has got to be called an absolute success.

The club lost a couple of "official" practice sessions due to the inclement weather, but even on those days there was a large turnout, and the club held the clinic, free gratis.

There has been quite an increase in overall activity on the local courts recently, and much of the new interest can be attributed to the success of the program. If the other Lifetime Sports projects turn out to be as successful as the tennis clinics, then there will be a lot of new athletes in the area before too long.

Station Gym Is Closed Weekends