



\$300 RICHER — Research Department's Harold Turner (right) pocketed \$300 for his beneficial suggestion to utilize commercial moving companies in lab and office relocations. Dr. Gil Plain, Associate Head, reviews Beneficial Suggestion which will save department over \$3,000 annually.

Social Cotillion Starts October 2

All junior high school students in the area are invited to join the social cotillion which will start October 2. Classes will be held at the Community Center every other week until early spring.

The cost will be \$25 for the season. Ballroom etiquette, fox trot, waltz, cha cha, rumba, swing and popular teenage dances will be taught by Robert Cole of the Arthur Murray Studio in Bakersfield.

For more information, call Mrs. H. T. Lotee, FR 8-6821; Mrs. Robert Blaise, NOTS Ext. 74171, or Mrs. Lester Garman, Ext. 725332.

Four New Teachers, Returnee at Murray; Two New at Vieweg

Four new teachers and one returnee are assigned to fifth and sixth grades at Murray School.

The new fifth grade instructors are Mrs. Frances Simpson and Albert Warren. New sixth grade teachers are Mrs. Pennie Avery and Mrs. Martha Smith. Rejoining the staff and also assigned to sixth grade is Mrs. Joann Koperski.

Mrs. Diana Jones and Cleveland Griffin have joined the staff of teachers at Vieweg School. Mrs. Jones teaches first grade and Mr. Griffin fourth grade.

SHOWBOAT

FRIDAY **SEPT. 25**
"THE THREE LIVES OF THOMASINA" (97 Min.)
Patrick McGeehan, Susan Hampshire
6 and 8:15 p.m.

(Fantasy-Drama in Color) Heart-warming Disney story of an unsympathetic Scotch veterinarian, his wee daughter and her cat, and a pretty but alleged witch. For young and old. (Adults, Youth and Children.)
Short: "R'Coon Dawg" (7 Min.)

SATURDAY **SEPT. 26**

—MATINEE—
"FRECKLES" (84 Min.)
Martin West
1 p.m.

Shorts: "Honorable Cat Story" (7 Min.)
"Sea Hound No. 8" (18 Min.)
—EVENING—
"WHEELER DEALERS" (106 Min.)
James Garner, Lee Remick
7 p.m.

(Comedy in Color) When the Texas millionaires follow their young tycoon to New York and try to buy in on everything he deals in the laughs have gotta roll! Take stock and wheel-and-deal. (Adults and Youth.)



FIRST GRADERS Sheryl Francis and Terry Doucette promise parents a look at the grade-level program at their school at the China Lake Back-to-School Night, Sept. 28 through Oct. 1.

Back-to-School Nights For Parents Next Week

The annual Back-to-School Night programs for parents, sponsored by the China Lake School District in cooperation with the Monday through Thursday.

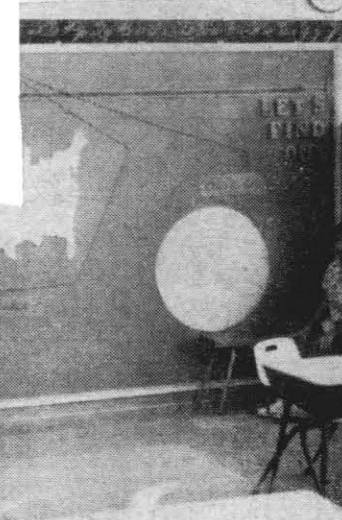
MURRAY — Monday, 12:30 m. for seventh and eighth grades; 1:30 p.m. for fifth and sixth grades.

RICHMOND and VIEWEG — Tuesday, 7 to 9 p.m.

GROVES — Wednesday, 7 to 9 p.m.

DESERT PARK — Thursday, 7 to 9 p.m.

Parents are reminded that the attendance of children at the Back-to-School Night programs is discouraged. The presentations will be at the parent level and will not be of interest to children.



RANDY SAVAGE AND Carl Ladda, Fourth graders at Vieweg School, urge parents to get a look at their learning opportunities at the China Lake Back-to-School Night.

Polaris Submarine Patrols to Start in Pacific This Year

Polaris submarine patrol duty in Pacific waters will begin before the end of the year, FPS reported from Bangor, Wash., this week. The announcement came at the commissioning ceremony of this country's second Polaris missile assembly facility.

Navy Secretary Paul H. Nitze commented: "Bringing Polaris to the Pacific will give this nation a much-needed flexibility in its over-all force strength — both strategic and tactical."

GEBA Assessment Number 84 Is Due

Members of the Government Employees Benefit Association and China Lake Mutual Aid Society are informed that assessments No. 84 and No. 12 are now due.

Assessments have been levied due to the death of William A. Camwell, a Public Works paint shop employee, who succumbed to a heart attack Wednesday night at his home, 629 West Church St., in Ridgecrest.

Payments of \$120 may be mailed to the Secretary-Treasurer Joseph M. Becker, 77-B Renshaw.

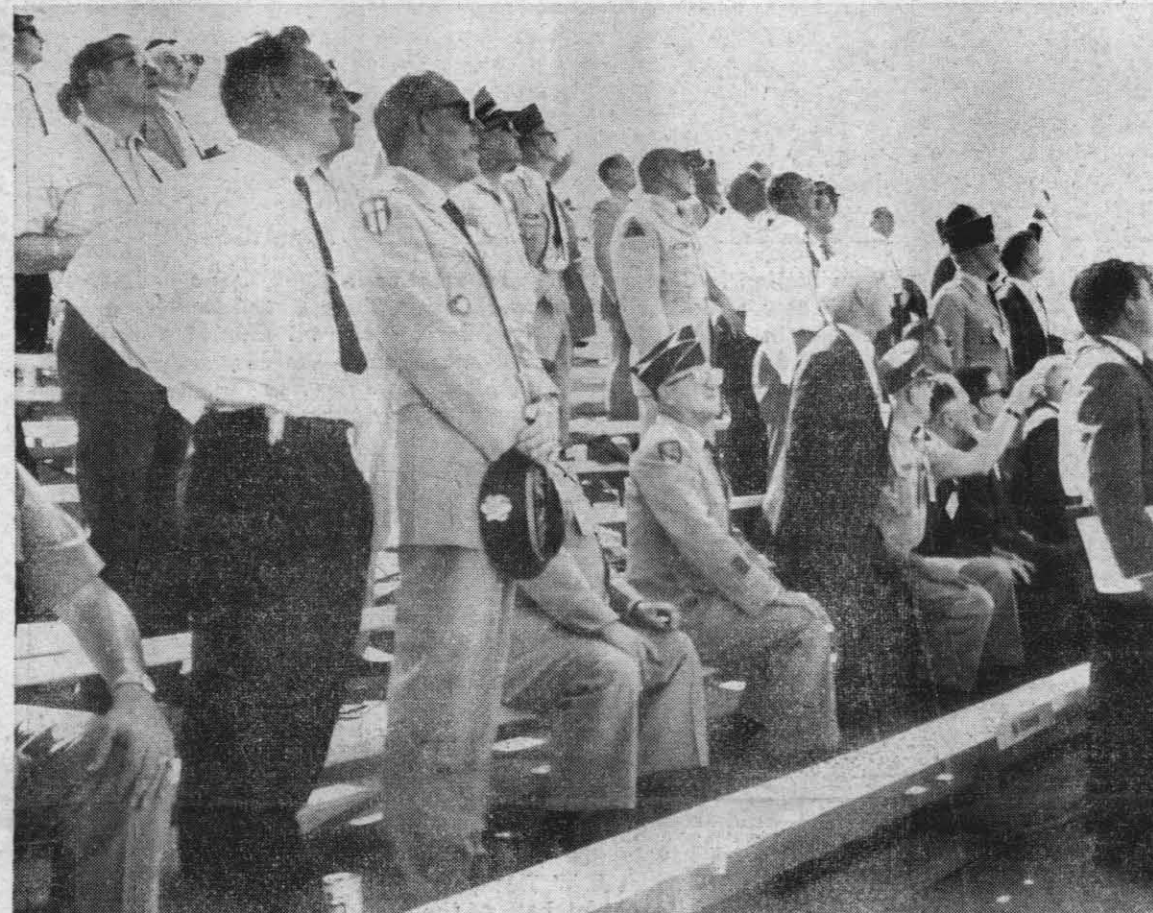
From _____
TO _____
PLACE STAMP HERE

Membership in the Art League is open to all persons interested in art whether or not they paint and also to high school students.



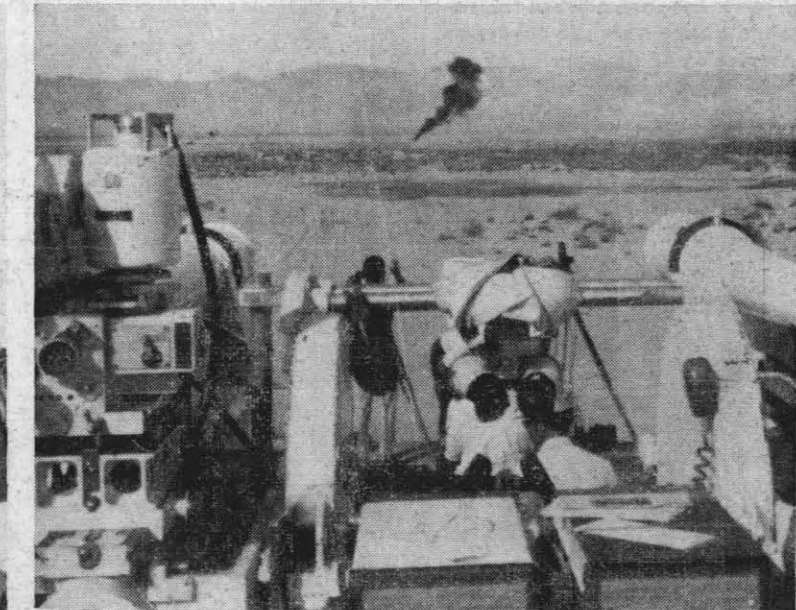
'REDEYE,' the world's smallest guided-missile system, is the only such system that can be fired from the shoulder of a man.

'Redeye' Missile Test Here Called 'Highly Successful'



MEMBERS of U.S. Congress, representatives of nine NATO nations, high-ranking military officials and scores of newsmen stand to watch "Redeye" firing, then cheer and applaud as it hits its helicopter drone target over the tower Nine test range.

—Photos by Seth Rossman, PH3, and Tom Faught, PHAN



PLUME OF SMOKE marks spot on the range where helicopter drone crashed in flames. In foreground is a tracking camera.

Congressmen, NATO Representatives See Range Demonstration

"Highly successful" firings of "Redeye," the world's smallest guided-missile system, were scored here Thursday morning as an audience that included U.S. Congressional representatives, high ranking military officials, representatives of nine NATO nations and U.S. allies, and scores of newsmen watched from bleachers erected at the Tower Nine test range.

The spectators openly cheered and applauded the weapon's initial successful demonstration in knocking down a helicopter drone target.

A second test against a KD-2 drone resulted in equal success.

Army-Marine Project
The demonstration, held as a public "unveiling" of the only guided-missile system that can be fired from the shoulder of a man, came after several years of engineering research and development conducted as a joint Army-Marine Corps project.

Prime contractor for the R & D phase is Convair Division of General Dynamics.

The Naval Ordnance Test Station has served continuously in the role as a key support activity to the program, providing test facilities and logistic materials required in the weapon's development.

Major General G. V. Underwood, Jr., Army Chief of Information, emphasized during a press briefing held late Wednesday evening at Michelson Laboratory that the demonstration represented a "continuing process in the research and development phases through which the weapon has advanced."

He said "Redeye" is now in the "operational test and development phase" of this process.

Locally, Marine Corps Captain W. D. Huddleston has served as coordinator for the project.

Scores of newsmen, representing the nation's major television networks, newspaper and newsreel syndicates, had arrived here late Wednesday from Washington and Los Angeles to witness the test firings.

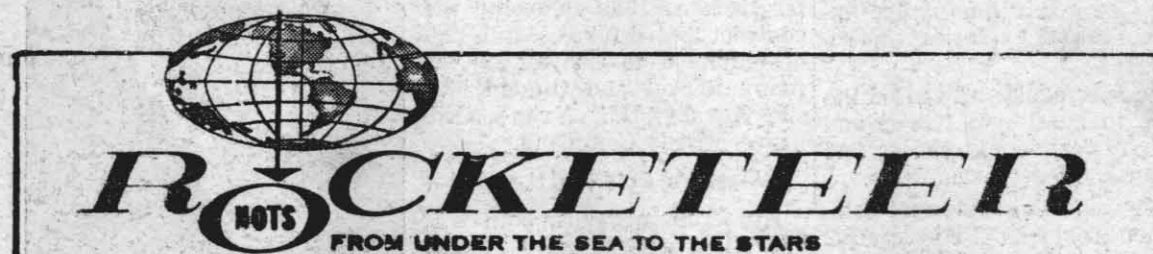
Dignitaries Arrive
Representatives of nine NATO and U.S. allied nations, including Australia, Belgium, Canada, Federal Republic of Germany, France, Italy, New Zealand, Norway, Turkey and the United Kingdom, numbering some 26 officials in all, had also arrived Wednesday evening to sample China Lake's hospitality.

A second plane, bearing congressional officials, touched down at China Lake Thursday morning.

Captain John I. Hardy, COMNOTS, speaking briefly to the joint audience Wednesday evening, extended his welcome but said the Navy would "take a back seat to the show" which he credited to the Army and Marine Corps.

Resembling a World War II "Bazooka" type weapon in configuration, the new weapon was engineered and developed with a "Redeye" team concept in mind for use by front-line foot soldiers, according to project officials.

Emphasize Multiples
It was emphasized during the (Continued on Page 2)



Vol. XIX, No. 40 Naval Ordnance Test Station, China Lake, California Fri., Sept. 25, 1964

Capt. Hardy Reiterates NOTS Policy on Equal Opportunity

"It is the policy of the Department of the Navy and this Command to assure that equal opportunity for employment is afforded all qualified persons, consistent with law, and to prohibit discrimination against any employee or applicant for employment because of race, creed, color or national origin."

Capt. John I. Hardy, Station Commander, this week reiterated the policy which has governed NOTS employment practices since the issuance of Executive Order 10925 on March 6, 1961, by the late President John F. Kennedy.

Capt. Hardy emphasized that provisions of NOTS Instruction 12713.1B apply to all employees of the Naval Ordnance Test Station, whether or not in the competitive service; to all employees paid from non-appropriated funds; and to all qualified applicants for employment.

Under the Executive Order, the program is administered by the President's Committee on Equal Employment Opportunity. The Secretary of the Navy

AF Scientific Bd. Working Group Convenes Here

Sixteen top civilian and military scientists of the working group on weapons and munitions of the Air Force Scientific Advisory Board TAC Task Force will convene here next Tuesday and Wednesday.

Eleven civilians and five officers will comprise the group. In addition to Dr. Wm. B. McLean, NOTS Technical Director, the following civilians are expected to attend:

Drs. Albert Latter, Harold M. Agnew, John Foster, William G. McMillan, Ernest Martinelli, Howland H. Bailey, Frederick Stevens, Stanley Greenfield, Victor Linder, and Stanley Church.

The five officers expected to attend are: Colonel D. A. Warthman, Lieutenant Colonel Kent P. Howard, SAB project officer; B. K. Partin, Jack T. Hanton, and C. Stevenson.

(Continued on Page 4)

CROSSWORD PUZZLE

Answer to Previous Puzzle

| | | | |
|------------------------|-------------------------|-----------------------|---------------|
| ACROSS | 1- Small dogs | 6- Indefinite article | 11- Among TAM |
| 2- Possessed | 7- Lair | 12- Lair | 13- Among TAM |
| 3- Manufactured | 8- N.Y. | 14- Lair | 15- Among TAM |
| 4- Of | 9- Nearly | 16- Lair | 17- Among TAM |
| 5- Number | 10- Transaction | 18- Lair | 19- Among TAM |
| 10- Toward the | 11- Lamprays | 20- Lair | 21- Among TAM |
| 11- Sheltered | 12- Harvest | 22- Lair | 23- Among TAM |
| 12- Side | 13- Part of stove | 24- Lair | 25- Among TAM |
| 13- Distinctive | 14- Man's name | 26- Lair | 27- Among TAM |
| 14- One | 15- Twists | 28- Lair | 29- Among TAM |
| 15- Standard | 16- Parent (colloq.) | 30- Lair | 31- Among TAM |
| 16- Rapid | 17- Female ruff | 32- Lair | 33- Among TAM |
| 17- Musical | 18- Sunburn | 34- Lair | 35- Among TAM |
| 18- Instruments | 19- Organ of hearing | 36- Lair | 37- Among TAM |
| 19- Lifeless | 20- Man's nickname | 38- Lair | 39- Among TAM |
| 20- Girl's | 21- Melody | 40- Lair | 41- Among TAM |
| 21- Nickname | 22- Unwanted plant | 42- Lair | 43- Among TAM |
| 22- Prefix | 23- Perform alone | 44- Lair | 45- Among TAM |
| 23- Before | 24- Supercilious person | 46- Lair | 47- Among TAM |
| 24- Communion | 25- Prefix: down | 48- Lair | 49- Among TAM |
| 25- Plate | | 50- Lair | 51- Among TAM |
| 26- Afternoon party | | 52- Lair | 53- Among TAM |
| 27- Faroe islands | | 54- Lair | 55- Among TAM |
| 28- Whirlwind | | 56- Lair | 57- Among TAM |
| 29- Large truck | | 58- Lair | |
| 30- Hebrew month | | 59- Lair | |
| 31- Wooden pin | | 60- Lair | |
| 32- Paricles | | 61- Lair | |
| 33- Poist | | 62- Lair | |
| 34- Want | | 63- Lair | |
| 35- Float in air | | 64- Lair | |
| 36- Kind of bean (pl.) | | 65- Lair | |
| 37- Wanderers | | 66- Lair | |
| 38- Fruit | | 67- Lair | |
| 39- Native metal (pl.) | | 68- Lair | |
| 40- Poem | | 69- Lair | |
| 41- Paradise | | 70- Lair | |
| 42- Foundation | | 71- Lair | |
| 43- Writing implement | | 72- Lair | |
| 44- Euphemism | | 73- Lair | |
| DOWN | | 74- Lair | |
| 1- Strokes | | 75- Lair | |
| 2- Single thing | | 76- Lair | |
| 3- Perfumed oil | | 77- Lair | |
| 4- Kind of fur | | 78- Lair | |
| 5- Garden test | | 79- Lair | |

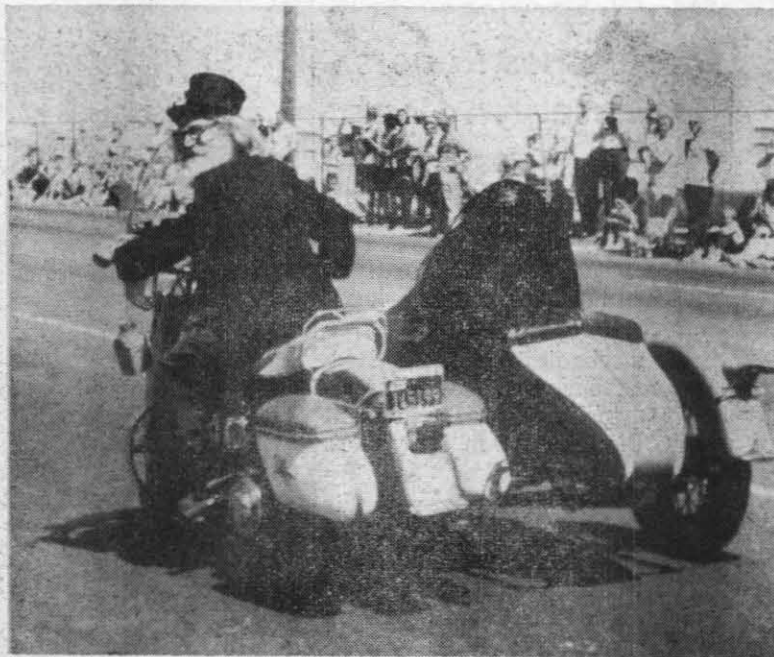
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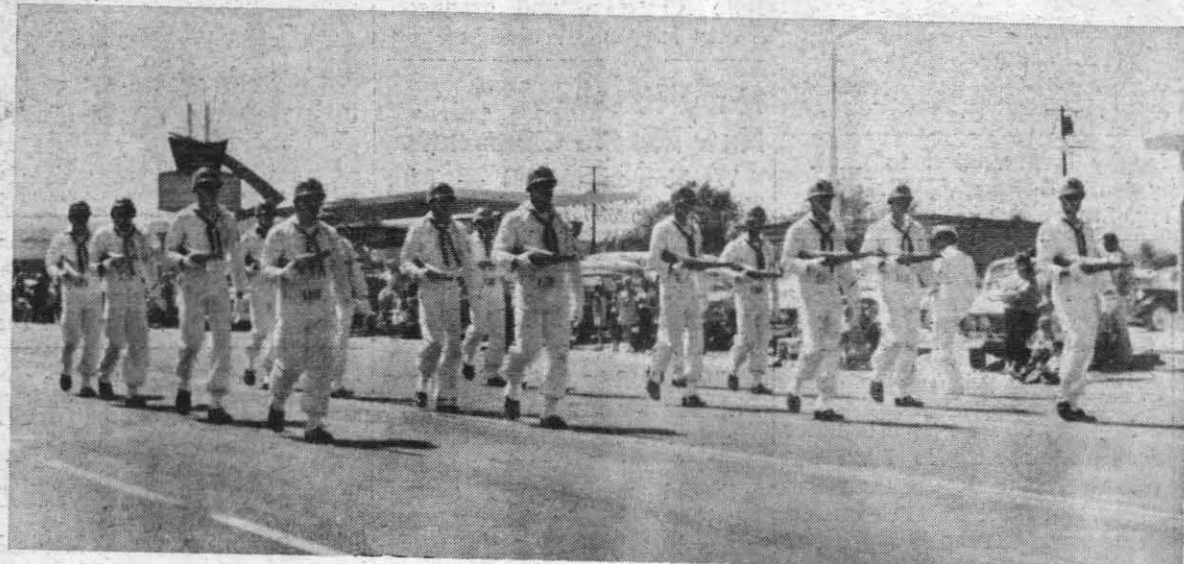
'Wheels . . .



YOUNG SPECTATOR garbed in cowboy regalia waited patiently for parade to start.



WHEELING AND DEALING out laughs up and down the parade route was desert character "Wild Bill" Reynolds.



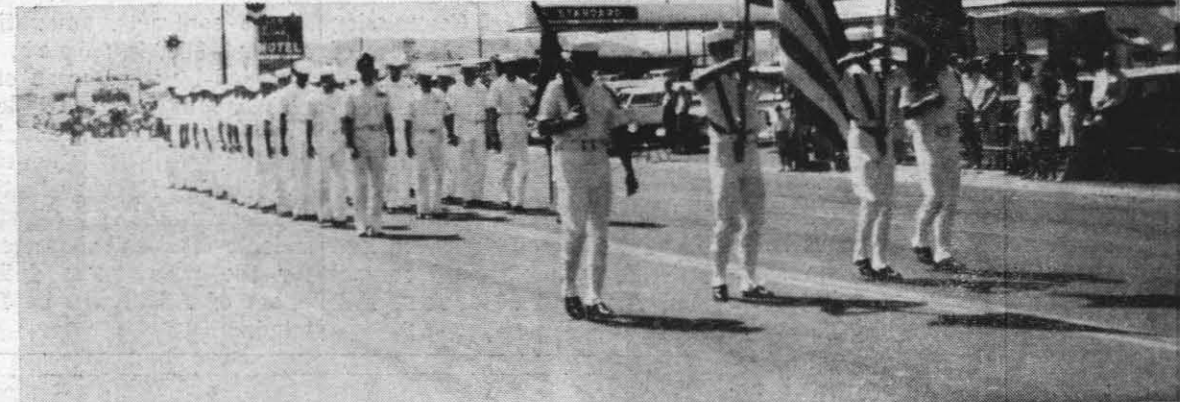
CHINA Lake was well represented by bands and marching units. In photo at left is the Naval Air Facility drill team which made its debut in Saturday's annual parade.



HAWAIIAN FESTIVAL float won first place in commercial category.



QUEEN'S FLOAT with new Queen of the Fair, Rita Lane, and her court of princesses aboard, gets accolade from some of the thousands of spectators lining the parade route.



NOTS Enlisted Personnel Division Color Guard and Marching Unit.

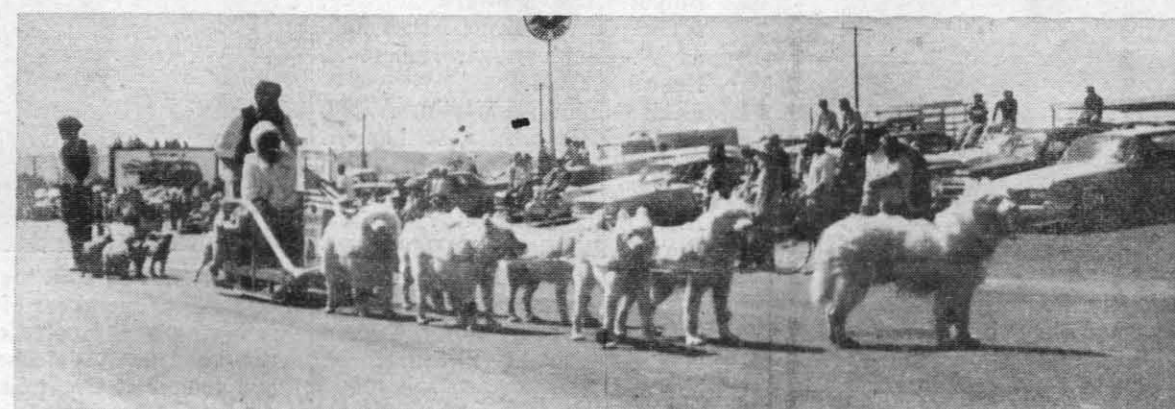


EDWARDS Air Force Base drill team also looked smart in its first public appearance.

—Photos by Paul Seaton, AC2PH, and Robert Hancock, PH3



MATURANGO MUSEUM float won second place in Decorated Vehicle division.

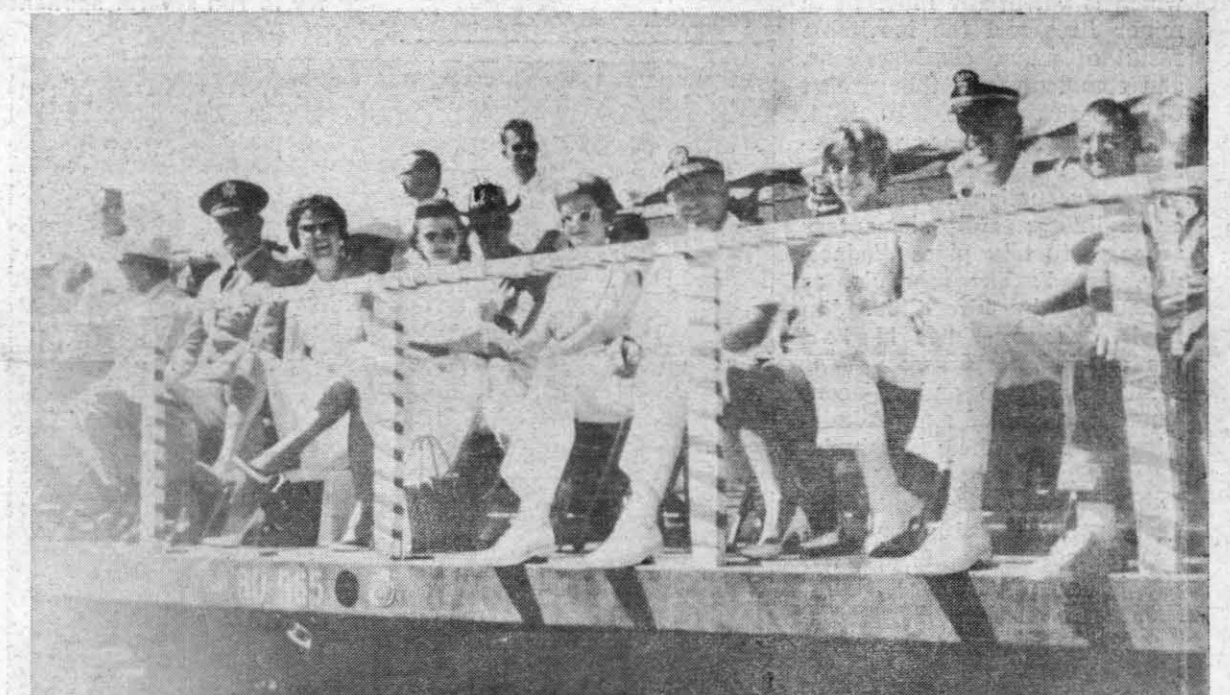


THE CACTUS SQUARES were a happy lot, singing their way along China Lake Blvd.

COOLING RELIEF arrived with dog sled teams from Bishop. Sign on puppy team (far left) read "Spare Tires."



PADDY WAGON, an entry from Victorville, took first prize in the Novelty, Non-Equestrian division of the parade.



DIGNITARIES representing NOTS in the reviewing stand included Capt. John I. Hardy, ComNOTS, flanked by his wife and daughter, Janet; LTjg. W. R. Borgstadt, Commander's

Administrative Assistant (right); Lt. Col. Richard S. Clark (left), Army Liaison Officer, and his wife, and Mrs. Floyd F. Reck. Capt. Reck was riding on a float in the parade.

... to Wings'

FOUR JETS from Air Development Squadron Five zoom low along the parade route to start festivities. Pilots were Cdr. E. E. Riley, Lt. C. Shannon, Cdr. C. E. Hathaway and LCdr. G. E. Russell, in Skyhawks.



Fire Prevention Week Oct. 4-11

Safety Reminder Commemorates Tragic Chicago Fire of 1871

Fire Prevention Week — Oct. 4-10 — is the oldest Presidentially proclaimed observance of a "week" in U.S. history. It began in 1911, when 22 governors proclaimed a "Clean-up Day." Eleven years later, the first Presidential "Fire Prevention Week Proclamation" was issued.

China Lake will mark the observance with a Home Inspection Program beginning Monday, and continuing weekdays through Oct. 31.

"This is a time to concentrate on the elimination of fire hazards which could result in loss of life and property from fire," Capt. John I. Hardy, Station Commander, said in announcing Fire Prevention Week activities.

All employees and Station residents are enjoined to participate in the observance of Fire Prevention Week. Tenants of Station housing are requested to cooperate with the Fire Division in the home inspection program in order to obtain the maximum in fire prevention for the Station and its personnel," Capt. Hardy said.

The observance points up the threat of tragedy and disaster which is potentially inherent in minor fires and the inevitable result of major conflagrations, and commemorates the great Chicago fire of Oct. 8-10, 1871, when 17,430 buildings were destroyed.

Fire evacuation drills in major buildings and elementary schools will take place Wednesday, Oct. 7. The schedule, as announced by Fire Chief Jim Davis, follows (Times listed are approximate):

Michelson Lab and adjacent Quonset huts, 8:30 a.m.; Administration Bldg., 8:45; TID buildings, 8:50; Warehouse 19, 8:55; Public Works Office Bldg., 9:05; Training Bldg., 9:10; Day Nursery School Bldg., 9:15; PWO and Engineering Office, Bldgs. 00037 and 00060, 9:20; Security, Housing and Personnel Bldgs., 9:25.

Navy Exchange Child Care Center, 9:35; SNORT Operations Bldg., 10 a.m.; NAF Hangar 1, 10:55; NAF Hangar 2, 11:05; NAF Hangar 3, 11:15; Richmond School, 12:35 p.m.; Murray School, 12:45; Groves

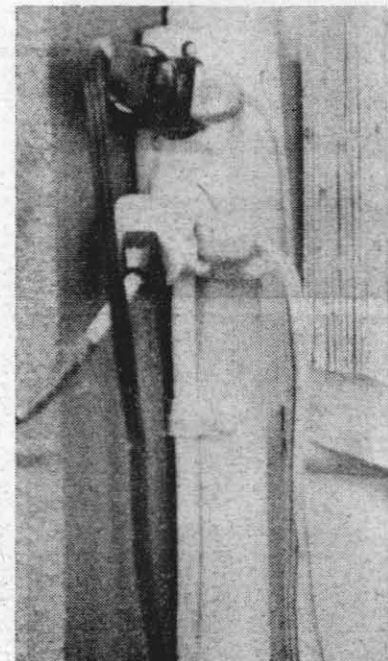
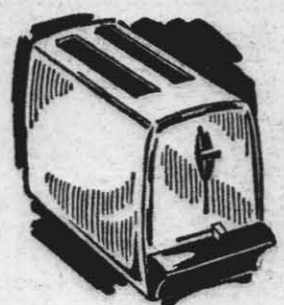
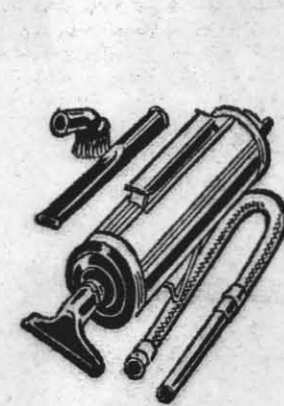
School, 12:55; Rowe School, 1:05; Vieweg School, 1:15; Desert Park School, 1:25; Naval Barracks 1, 2, 3, 4 and 5, 9 p.m.; Headquarters, NOTS Enlisted Personnel, barracks and galley, 9:10; Brig, 9:15.

Home Inspection To Start Monday

Fire Division teams will make safety and fire prevention inspections of all buildings on the Station beginning Monday, and continuing weekdays through Oct. 31.

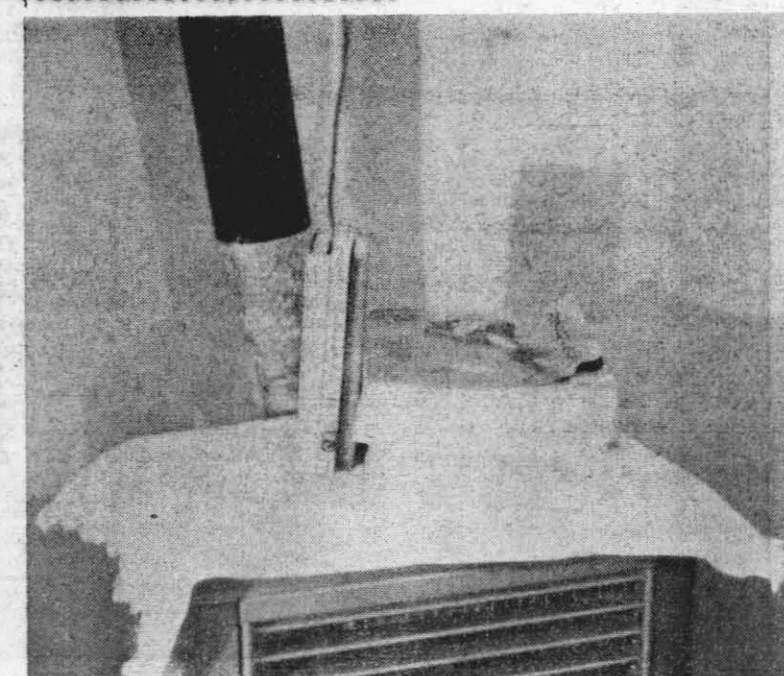
Inspectors will call at the front door of each residence and request permission to inspect the house. Tenants are asked to accompany the inspectors on their tour of the property.

Fire inspection forms listing any hazards observed will be given to the tenant, with recommendations for corrective measures, Fire Chief Jim Davis is reported.

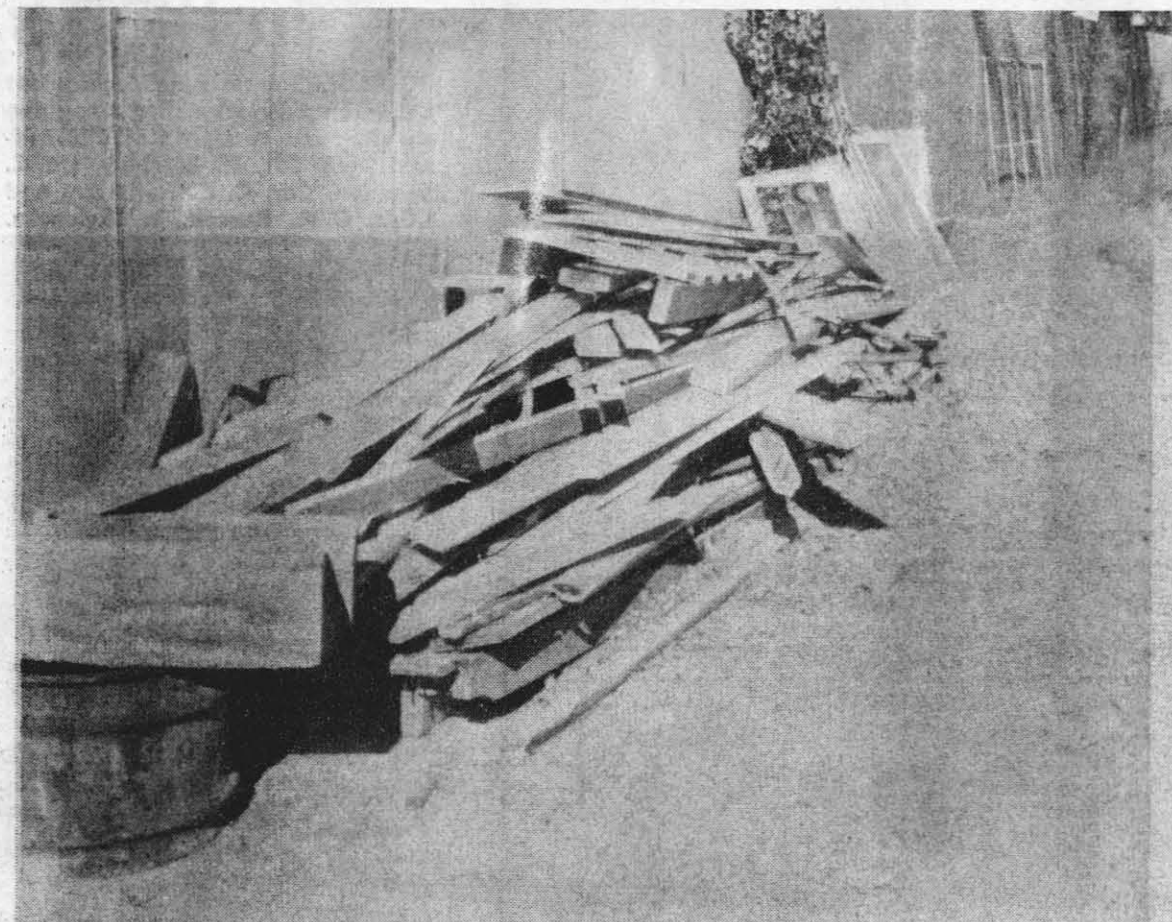


PROPER WIRING is important. Don't overload circuits with multiple plugs, or try to run several appliances off the same

circuit. Short circuits are a frequent cause of fires, and can occur in the dead of night, when detection might come too late.



HEATERS make poor bookcases, especially if the thermostatic control is left operative during the summer months on the theory that it couldn't possibly pop on. A sudden drop in temperature during the night, and tragedy could result. Keep combustibles of any nature at a safe distance from all heaters.



SCRAP LUMBER may have its uses, but accumulations like this, stacked against a tinder-dry plywood garage wall, surrounded by dry

leaves and grass, could erupt into a raging inferno. Inspections, starting Monday, will be aimed at eliminating such hazards at NOTS.

PILING TRASH in a corner next to the water heater can be dangerous. Trash should be put in metal containers. Plastic waste baskets may look prettier, but offer little protection when a hot cigarette is accidentally dropped into them.



CLEAN-UP and Paint-up projects make the house look more attractive. How about the paint shed when the job is done? Paint rags are a particularly dangerous spontaneous combustion hazard. Keep sheds, garages, closets in a safe condition.



NAF DRILL TEAM'S parade trophy is presented to Capt. Robert R. Yount, CO of NAF, by James B. Fike, ADJC. Officer-in-charge of the unit is LTJg. Stuart Mann.

NAF Drill Team Gains Confidence In Parade Debut

Chief James B. Fike went shopping this week for a giant-sized trophy case.

The seasoned drillmaster estimates it'll take an oversized case to hold the trophies and awards his 16-man Naval Air Facility drill team will pick up in the months ahead.

The unit made its debut last weekend in the Desert Empire Fair parade in Ridgecrest. And, though the command had sponsored a team some years back, the one seen by parade spectators Saturday morning has only recently been organized.

"We're shaping up fast now," reports Fike, who gained national recognition for units he headed at Jacksonville, Fla., and Norman, Okla., over the past few years.

Fike led his Jacksonville drill team into half-time ceremonies at the Gator Bowl football game as a nationwide television audience watched in 1960.

"A top-notch drill team can aid a command significantly in building morale and esprit de corps. On top of this, the parent command enjoys goodwill wherever the unit performs," claims Fike.

His team works out daily, practicing precision routines. Its performances will soon include fixed bayonets, demanding split-second timing in close-order formations.

Parade uniforms for summer months will consist of uniform dress whites with auguette, blue helmet, white gloves, watch belt and leggings.

Winter uniform will be the dress blue uniform with the same accessories as the whites.

Members of the present team include Zebadiah Adair, AMS2, Roger N. Alpaugh, AQB3, Tim M. Gillispie, AA, Arthur C. Greninger, AE2, Howard M. Guy, ATN3, Carl A. Ishie, AN, Thomas W. Jimenez, AA, Robert E. Keeran, AMS3.

Also John L. Martin, ATN3, Carl L. Nelson, AE2, William A. Reed, AMS2, Mitchell R. Tobolski, AE3, Peter L. Woodward, AA, Dail R. Shoudy, ATN2, Vernon W. Smith, ADJ2, Kenneth A. Adams, AN, and David D. Warner, AE3.

Officer-in-charge of the team is Lieutenant (jg) Stuart H. Mann.

Scout Troop 41 Volunteers to Aid McBride Park

Boy Scout Troop 41 under Scoutmaster Alfonso Pena has volunteered to devote their Saturday mornings to work on McBride Park. Troop is sponsored by the Community Church.

The McBride Park Commission is investigating the purchase of flowers and shrubs for planting in McBride Park, and this community-spirited Boy Scout Troop will assist in their planting and watering.

Any groups or individuals interested in helping with work at McBride Park should contact Mrs. Arnold Yulkeson, Ext. 77341.

Hold Services For James Rogers Of Research Dept.

Funeral services for James W. Rogers, 45, employed on the Station since 1945, were held last Saturday at the Station Chapel following his death on Wednesday Sept. 16, of a heart attack.

A mechanical engineer, Rogers had been attached most recently to Research Department with the Detonation Physics Group.

He lived on Station with his wife, Bernice, at 103-B Ellis, and in recent years became well known for his collections of antique musical devices.

Rogers was born at Kansas City, Mo., and is survived locally by his wife; a daughter, Mrs. Dale Riggan, and grandson, Scotty Riggan, 3½.

New to Award 7 New Missile Contracts

Washington (AFPS) — The Navy is awarding study contracts to seven firms for the pre-project definition phase of the development of the Advanced Surface Missile System (ASMS).

The ASMS is designed to cope with the air threat of the 1970 era. It will be installed on new construction destroyers and is a potential replacement system for Navy Terrier, Tartar and Talos installations on existing ships.

The contracts, amounting to about \$500,000 each, to be awarded by the Bureau of Naval Weapons, are scheduled for completion in about five months.

Following Navy evaluation of the conclusions of these studies, specific system characteristics for the program definition phase of ASMS will be formulated.



20-YEAR MAN — Weapons Development's Tony Panasci (left) is presented a 20-year federal service pin by Frank Knemeyer, department head. Panasci began his federal career with the Army and came to China Lake in 1949.

Urge Caution To Reduce Occupational Dermatitis

NOTS' Safety and Medical Departments called attention this week to a Bureau of Medicine and Surgery notice alerting both military and civilian personnel to an increase in occupational dermatitis, and listing preventive measures to avoid the skin irritation.

Following are some of BUMED's recommendation's to reduce dermatitis due to chemical agents and fiberglass:

a. Wash Hands Often and Thoroughly. Intimate and prolonged contact with most chemicals, solvents, greases, and oils

may result in irritation of the skin. Thorough washing of the skin during, and at the end of, the workday and before eating will remove irritants from the skin. Wash only with approved skin cleansers, as harsh soaps and cleansers may act as primary irritants. Do not use solvents to remove grease and dirt, since the solvents themselves may cause skin irritation.

b. Dry Skin With Clean Towels. Hands dried with dirty towels or greasy rags will put the same materials back that have been washed off with the soap.

c. Use Protective Clothing. Clean gloves, aprons, coveralls, and other items of protective clothing form the best barrier between the skin and irritants. **Gloves that are dirty inside are worse than no gloves at all!**

d. Use Approved Protective Hand Creams. Protective creams applied to the clean skin form another line of defense against dermatitis. Use the proper cream for the work at hand.

e. Report All Skin Irritations Promptly. Report to the medical officer or medical department representatives, all materials handled which are believed to be irritating the skin.

FIBERGLASS DERMATITIS The following measures will assist in the prevention of fiberglass dermatitis:

a. Wear loose clothing. No belt should be worn.

b. A loose layer of gauze should be placed around the neck and wrists.

c. Personnel should be instructed to shower at the end of a day's work. (A tub bath is not effective because the minute glass fibers may adhere to the skin.)

The BUMED notice also provides a list of recommended skin protective compounds.

Safety Department points out that chemical agents used around the home can also cause dermatitis and recommends that householders alert themselves to the preventive measures listed above.



"CHANNEL FEVER" is the diagnosis rendered by joint members of Station Hospital staff following pre-transfer check-up of Lt. J. Myron Lord (MC), detached this week for new assignment at Great Lakes, Ill. It was only a

gag when (from left) Lt. Alma Gomez, Lt. L. H. Malm, Capt. Hensick, Cdr. Ann Check, Lt. M. M. Sofer and H. A. Brown ganged up on departing medical officer for examination. They pronounced him "fit and well."

USAF Liaison Office Expanded

MSgt. J. Corliss, Hyten Join Staff Of Capt. Jensen

Two new members have joined the Air Force Systems Command Scientific and Technical Liaison Office at NOTS, Capt. Ronald E. Jensen, USAF, Chief, reported this week.

MSgt. James R. Corliss, USAF, comes to NOTS from the Air Proving Ground Center, Eglin AFB, Florida. Claude W. Hyten, a veteran of 12 years in the Test Department and China Lake resident for 16 years, also has joined the staff.

The local USAF office is one of 26 in a network of technical liaison offices located throughout the United States, Canada and Pasadena, operating under the auspices of the Research and Technology Division, AFSC.

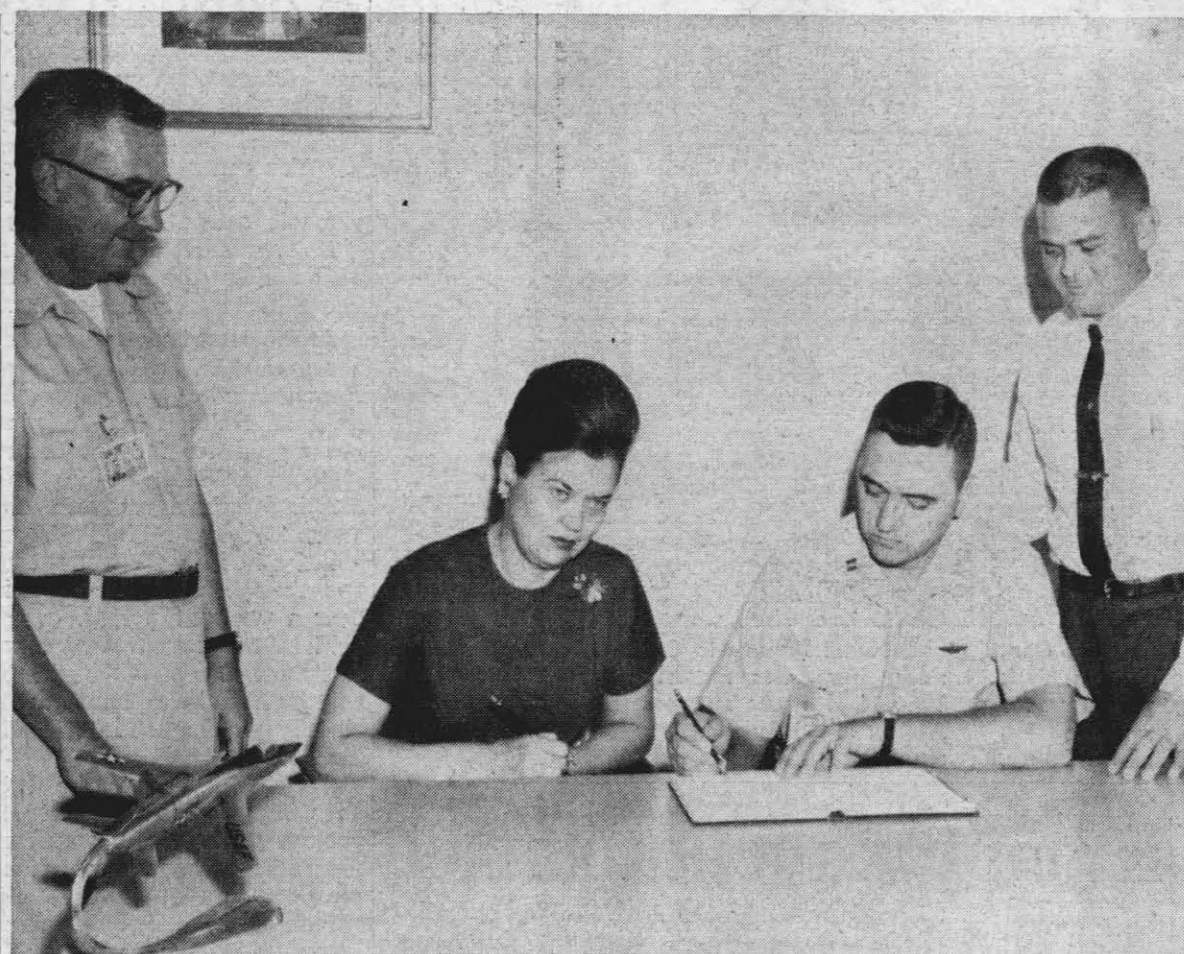
These offices are charged with the responsibility of providing Air Force Commands, Centers and Laboratories with the state-of-the-art on technological efforts conducted at the host activities.

Expansion of the NOTS liaison office is an integral part of the Headquarters USAF-directed build-up of in-house R&D capabilities, particularly in the development of conventional munitions and associated equipment.

In New Quarters
The USAF liaison office recently moved to new quarters in Room 2036 Michelson Laboratory. The staff and facilities are available to NOTS personnel for assistance on any problems relative to the Air Force.

Capt. Jensen replaced Lt. Col. Lester E. Clark as chief of the office in August, 1963. Mrs. June M. Brown, who recently completed her 20th year of federal employment, has provided continuity within the office for the past 10 years. She recently was promoted to GS-6 as special technical assistant to the office chief.

MSgt. Corliss enlisted in the U.S. Army Air Corps in 1941, and saw combat duty during World War II as a flight engineer on B-29 aircraft with the 509th Composite Group in the Pacific. After the war, he returned to civilian life; but was



THE AIR FORCE Scientific and Technical Liaison Staff at NOTS now numbers four. Left to right are: James R. Corliss, MSgt.,

USAF; June M. Brown; Ronald E. Jensen, Captain, USAF, and Claude W. Hyten, former Test Dept. employees and 16-yr. NOTS vet.

recalled to service in 1951, in the USAF. Tours of duty in Hawaii and Tripoli followed. He resides at 307-B Tyler, with his wife, Ethel, and two daughters, Jane and Deborah.

Liaison for Electronics
Claude W. Hyten, an electronics engineer, has assumed the duties as liaison assistant for electronics at the GS-13 level. His many local activities have included the Community Council, Toastmasters, Barber Shop Quartet (SPEBSQSA), square dancing and lodge activities, and is a ham radio enthusiast. He resides at 1800-B Young Circle, with his wife, Louise, and three daughters, Claudia, Eylene and Cheryl.

Family Picnic Slated By Cub Scouts Sat.

China Lake Cub Scout Pack 1341 will hold a family picnic at Troy Meadows on Saturday, Oct. 3. Cubs and their families will gather at Richmond School at 8:30 a.m. and form a caravan to make the trek.

Capt. Hardy Reiterates NOTS Policy on Equal Employment Policies

(Continued from Page 1)
ty Employment Policy Officers; the Under-Secretary's representative or members of the President's Committee.

NOTS Advisory Committee members with whom discussions relating to discrimination in employment may be held, currently are:

Harold F. Metcalf, (Code 4001), chairman; William S. Tom (Code 3063), James Sims (Code 4521), Dr. Martin H. Kaufman (Code 4521) and Mabry M. Van Reed (Code P8002).

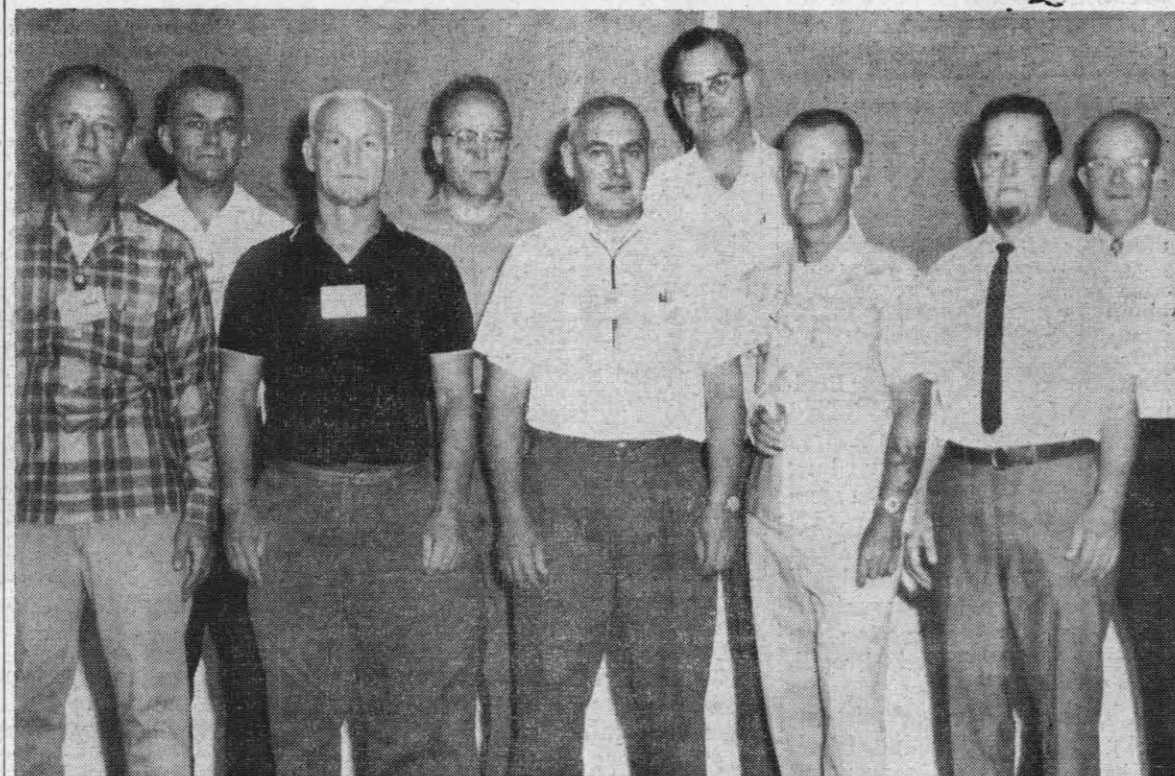
'Understanding Children' Aim of Course Offered By Bakersfield College

A course designed for those about to become parents or who already are parents of small children is being conducted by the Desert Division of Bakersfield College.

The class meets in the Red Cross Hut on Thursday evenings.

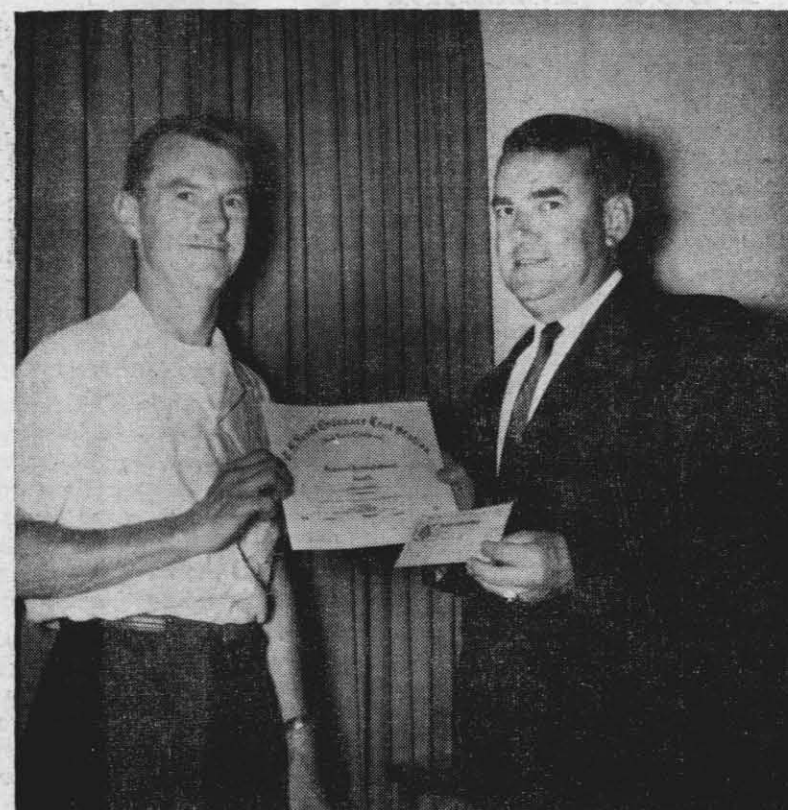
Special Services Activities Hours

| | |
|---------------------------------------|------------------|
| Auto Hobby Shop | |
| Mon., Tues., Wed., Thurs. | 5-9 p.m. |
| Saturday | 9 a.m.-5 p.m. |
| Sunday | Noon-5 p.m. |
| Military Bowling Alley | |
| Open for League play after Labor Day. | |
| Monday through Friday | 6-11 p.m. |
| China Lake Bowl | |
| Monday through Friday | 3-11 p.m. |
| Saturday | 10 a.m.-11 p.m. |
| Sunday | Noon-11 p.m. |
| Ceramics Hobby Shop | |
| Mon., Wed., Thurs. | 5-10 p.m. |
| Tuesday, Friday | Noon-5 p.m. |
| Community Center | |
| Monday through Friday | 8 a.m.-5 p.m. |
| | 6:30-10:30 p.m. |
| Electronics Hobby Shop | |
| Tues., Wed., Thurs. | 6-10 p.m. |
| Equipment Issue Room | |
| Monday, Tuesday, Thursday, Friday | 11 a.m.-1 p.m. |
| | 3 p.m.-5 p.m. |
| Golf Course | |
| Daily to Sunset | |
| Gym | |
| Saturday | 1 p.m.-6 p.m. |
| Sunday and Holidays | 1 p.m.-6 p.m. |
| Woodworking Shop | |
| Wed., Thurs., Fri. | 6-10 p.m. |
| Saturday | 9 a.m.-5 p.m. |
| Station Library | |
| Monday through Friday | 1-9 p.m. |
| Saturday, Sunday | 2-9 p.m. |
| Station Theatre | |
| See Rocketeer for Show Times | |
| Station Swim Pool | |
| Friday | 6 p.m.-8:30 p.m. |
| Saturday | 1 p.m.-6 p.m. |
| Sunday and Holidays | 1 p.m.-6 p.m. |
| Tennis Courts | |
| Daily | 3-10 p.m. |
| Weightroom | |
| Weekdays | 6 p.m.-8:30 p.m. |
| Saturday | 1 p.m.-6 p.m. |
| Sunday and Holidays | 1 p.m.-6 p.m. |



180 YEARS FEDERAL SERVICE — Combined service of these Test Department employees totals 180 years. Twenty-year pin recipients (front row, l-r) are Merle Paschke, Charles

Sartorius, Earl Norman, Audra Bradley, Warren Hanne. Back row (l-r) Robert Hoagland, Edward Winnemore, George Meuser, and Royal Gould round out veteran NOTS group.



SUPERIOR ACCOMPLISHMENT AWARD, for his work in conjunction with Rocketeer's special 12-page editions and general improvement, went to paper's Editor Richard W. Grueneberg last week. "J" Bibby, Public Information Officer, made presentation in brief ceremony in PIO office.

CHAPLAIN'S MESSAGE

How Does Your Hello Sound?

By CHAPLAIN ROBERT W. ODELL



Two practical jokers shared a hotel room at a big convention in Chicago. One joker sneaked in early the second night, filled the bath-tub and deposited there two live ducks that he had gotten after a long search.

His companion was properly flabbergasted when he saw the ducks paddling about the bath-tub. "They must have flown in through the window while we were out," said the first joker.

"Sure, sure," agreed his friend, "but what bugs me, is how the dickens did they turn on the water?"

Our greetings to one another "do turn on the water" of conversation and communication. Ever listen while someone says "Good Morning"? The tone of the good is very interesting and some times depends on the day of the week. Monday: Good (oh no—not yet!) Morning. Friday: Good (oh it's almost-the-weekend!) Morning. Hear what I mean? Or try listening to Hello.

There is the guttural hello that whispers depression; the soprano hello that whistles joy; the giggle hello that announces a smile; the singing hello that brightens the corner where you are! How does your hello sound?

A grandfather took the children to a movie one Saturday afternoon. He noticed that the box office listed only the admission price for children and asked the cashier the charge for adults. Replied the cashier, "If you think you can take it, you just walk in free!"

The cost of cheerfulness each day begins with a pleasant greeting — a happy hello. Then the rest of the day does not need taking but using for God's glory.

By the way, thanks for smiling — it tells me you know God loves you!

'Daylight Saving Time' May Be on the Way Out

WASHINGTON (AFPS)—The words "Daylight Saving Time" and America's crazy-quilt time system may be on the way out.

A House Commerce subcommittee has indicated it is about to do something about the situation called by the Interstate Commerce Commission, "the increasing chaos in American time."

Similar action has already been approved by a Senate Commerce Committee. No public opposition has developed and the Committees hope to push the bill through Congress before the end of the present session.

Basically, the bill would set up uniform areas that would move their clocks ahead and back at the same times every year. For the most part, the bill would do away with situations in which one community is on standard time and the town next door on daylight time.

The bill being discussed would try to end the nation's confusing time situation with these provisions:

1. The United States, except for Alaska and Hawaii, would be divided, as now, into four zones: Eastern, Central, Mountain and Pacific. In addition, a new Atlantic Zone would be created. This would be off the East Coast and would not cover any of the mainland.

2. To save daylight in the warm summer months, the Interstate Commerce Commission would create a single subzone in each regular zone. This zone would be a geographic whole and connect with the full zone to its East.

3. Daylight Saving Time would begin for all subzones on the last Sunday in April and

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 (Solid State Devices), GS-11, PD 455046, Code 5521—Incumbent is responsible for design of electronic circuit and electronic components as employed in servo system. Develops test procedures to evaluate the effect of the system.

Incumbent is also required to make calculations to predict cost, component performance or design parameters, supervise draftsman, schedule, conduct and evaluate tests to determine that the components satisfy system specifications.

File applications for above with Dora Childers, Bldg. 34, Rm. 32, Phone 71393.

Clerk (Typing), GS-4, PD 455020, Code 454—Performs variety of clerical-typing duties for the Employee Development Division, where all Station-wide educational and training programs are developed, coordinated and administered. Maintains records on division funds and all funds related to educational and training programs, provides secretarial support for division head, and clerical assistance to all members of division.

Qualifications Required: Two years appropriate office-clerical experience including typist duties.

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

Machinist (Maintenance), Code 70423—Overhauls, repairs, and installs various types of machines and machinery installations, such as machine shop equipment, power plant equipment, foundry and forge shop machinery, large pumping plant equipment, aircraft handling and testing equipment, and ordnance plant machinery.

Physical Science Administrator, GS-1301-1-13, PD 38002, Code 551—Position is that of Assoc. Div. Head, Quality Engineering Div., Engineering Dept. The mission of the Quality Engineering Div. is to establish and then maintain the necessary quality standards for Station-developed ordnance and associated equipment and material, and to perform the necessary engineering, testing, evaluation, inspection and liaison.

Engineering Technician, GS-802-11, PD 13750 Am-2, Code 5566—The incumbent initiates and supervises contracts for the design and fabrication of prototype packages of production ordnance items. Provides contractors with layouts, design data, calculations, tolerance studies, specifications, special notes and marking instruction.

File applications with Dora Childers, Rm. 32, Bldg. 34, Phone 71393. Deadline for filing is Oct. 2.

OVERSEAS EXAM

Competitive Promotion Examination for Master Mechanic (Power Plant), Guam.

Application Card Form CSC 5000-AB and Standard Form 57 must be filed with the Consolidated Industrial Relations Office, Box 22, Headquarters, COMNAVMAIRIANAS, c/o FPO, San Francisco, Calif. Attention: Code 0823.

Applications must be postmarked not later than close of business on Oct. 24.

'Bible Service' Calls Catholic Congregation

The NOTS Catholic Chapel, in accordance with the new Liturgy of the Church, will present "The Bible Service." This service will replace the evening rosary during the month of October, and will begin at 7:30 p.m. each night. "The Bible Service" is a congregation participation devotion. All are urged to attend and take part. The first service on October 1 will be prepared and conducted by Leonard Licwinko, and his theme will be "The Annunciation."

The Rocketeer

Official Weekly Publication of the U. S. Naval Ordnance Test Station China Lake, California
Capt. John I. Hardy, USN Station Commander
"J" Bibby Public Information Officer
Jack O. Broward Editorial Advisor
Richard Grueneberg Editor
Budd Gorn Associate Editor
Frederick L. Richards Special Assignments
Bill Boragotadt, Sports DEADLINES
News Stories.....Tues., 4:30 p.m.
Photographs.....Tues., 11:30 a.m.

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

Protestant—(All Faith Chapel)—Morning Worship—8:30 and 11 a.m. Sunday School—9:30 a.m., Graves and Richmond Elementary Schools.

Roman Catholic (All Faith Chapel)—Holy Mass—7, 9:30 a.m., and 5:30 p.m. Sunday.

6 a.m. Monday through Friday, 8:30 a.m. Saturday.

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

NOTS Hebrew Services (East Wing All Faith Chapel)—

Every first and third Friday, 8:15 p.m. Unitarian Fellowship (Parish Hall)—Fellowship Meeting—Sundays, 7:30 p.m. Sunday School—10:45-11:45 a.m.

'DESERT PHILOSOPHER'

Recalling Gen. French

By "POP" LOFINCK



Elinor Field of Ridgecrest just returned from a European tour.

On the train from Basel, Switzerland, to Paris, she met British General French, now retired.

Elinor looks American — so after chatting a bit he revealed to her that he was at China Lake-NOTS about 10 years ago with his two sons.

The General sent a message to me through her. He wanted "Pop" Lofinck to know that his son Peter had completely recovered from shooting himself in the foot. And here is the story.

The General was on a special mission to Washington, and then on a further mission to NOTS for about a week.

He brought his sons out with him — about 12 and 14 years of age.

I was a roving Security Patrol Officer of the boondocks impact area at that time.

While General French was attending conferences on the station he wanted me to teach his sons to shoot a hand gun — which I proceeded to do.

We went out in the boondocks and set up targets.

BOYS WERE EXCELLENT PUPILS

The boys were very attentive — followed instructions perfectly — did everything exactly the way I told them (i.e.) — the right stance — feet apart — left arm relaxed — right arm fully extended — grip stock with two middle fingers as firmly as possible — thumb along side relaxed — little finger relaxed — level gun on target — cock hammer with thumb and back to relaxed position — take a deep breath — let some out — a steady even pull with the index finger on the trigger.

If the target is clear and the sights out of focus you miss the target. If the target is not so clear but the sights are lined up in sharp focus — you hit the bulls-eye — if you're doing everything else right — and they did.

I was amazed at how fast they learned. I could hardly believe it was their first experience with a hand gun. It was a .22 Smith and Wesson revolver.

FORGOT TO MENTION ONE THING

They listened carefully to everything. But there was just one little thing I forgot to mention — that with a double action revolver if you pull hard enough on the trigger the gun is self cocking.

We had been thumb cocking the hammer for each shot — as is customary in target shooting. Single action revolvers must always be cocked for every shot.

It was Peter's turn to shoot — he stood there gun in hand — hammer down — arm at side — concentrating on what he had learned — slipped his finger in the trigger guard and pulled hard — and the gun cocked and went off. The bullet went into his foot.

Peter said, quite matter-of-factly, "I shot myself in the foot." I thought he was kidding—but I looked at his foot and there was blood coming out. So I rushed him down to the hospital. There was no panic — both boys were calm.

When I took Peter into the Station Hospital a mild wave of excitement set in. A son of the great General French had been wounded on the base! The General was called, of course. About everybody was excited, except two people — the boy who shot himself in the foot, and his father.

I said, "General, it's embarrassing to be making your acquaintance under these conditions." The General replied calmly, "That should teach him to be more careful!"

A MORAL TO THE STORY

Peter was careful. It was my fault for not mentioning that if you pull hard enough on the trigger of a double action revolver it is self cocking.

The moral is — if you are teaching somebody how to shoot, don't forget to mention that.

I wasn't much excited — but I was very much concerned — so I was pleased to learn that he has completely recovered.

In one letter I got from the General he said the doctors were very glad that time had come to remove the cast from Peter's foot. It was getting cracked about every week or so. What the doctors didn't know was that Peter was using the cast to make skid turns on his bicycle!

I had been getting Christmas cards from the General — but didn't get one last year — so thought he may have died. So I was glad to learn that he had just retired.

A salute to General French and to Peter French. Peter is married now and has a youngster of his own.

Ballet Society Holds Annual Registration

The China Lake Ballet Society held its annual registration for new and old pupils last Sunday. There are still openings for students in some age groups. For further information, please contact teachers Bette Jacks, 101 Coral Sea, Ext. 723022, or Carol Mayer, 209-B Kitt Rd., Ext. 77482.

Aetna, Blue Cross Reps. Here Sept. 28-30

Aetna Insurance representative Howard W. Keenan will be at the Community Center on Monday and Tuesday, Sept. 28-29, from 9 a.m. to 4:30 p.m.

Blue Cross representative W. G. Hamilton will be at the Community Center on Wednesday, Sept. 30, from 9 a.m. to 1 p.m. and from 2 to 4 p.m.



GUEST OF HONOR at 20-year pin ceremonies recently was Earl P. Myers (third from left). Capt. G. H. Lowe (r), officiated while W. S. Hawkins, Head of Industrial Process Branch; and R. M. Leard, Head, Quality Engineering Division, (l-r) were in attendance to offer congratulations to Myers.

Careers with NOTS Were a Family Affair

It was a nostalgic moment recently when Earl P. Myers was presented with his 20-year Federal Service pin. Not only has all of his civilian service been at NOTS, but Earl has a NOTS family of his own.

Both his mother, Hester Myers, as an inspector; and his sister, Ruth Webb Tobler, as a draftsman, worked for CalTech, General Tire and NOTS. Sister-in-law Henrietta Schipper Dostalek worked as an accounting clerk for CalTech and General Tire at the Green Street location. Earl's wife, the former Juanita Schipper, managed the Credit Union with CalTech, GTR and NOTS. Married since January, 1947, the Myers romance had its beginning at a General Tire dance.

In Earl's position as an industrial Specialist (Electronics) in the Industrial Process Branch, Quality Engineering Division, Engineering Department, he is presently technical coordinator on engineering changes to the MK 46, Mod O torpedo at Aerojet NOTS office.

His NOTS career, all in the Engineering Department, has run the gamut of draftsman, tool designer, materials planner, engineering aide, and pro-

duction specialist (general and electronic).

During his tenure at NOTS, he has garnered awards for a Group Achievement, Superior Performance and approximately five Beneficial Suggestions. Participating in the social side of NOTS, he has organized, managed and played in several station baseball teams. Putting this experience to further use, he led his Little League Baseball team to three championships in four years. Sons Gordon, 13, and Don, 9, spurred him to this latter effort.

Earl's father set an example for work longevity, having recently retired from the Southern Pacific Railroad after a 49-year career. Earl's older brother, Robert, is chief engineer with the California State Highway Department in Humboldt County.

A native of Edgewood, Calif., he served in the U.S. Navy as an Aviation Machinist 1/C from 1942 to 1946.

Earl and Juanita have made their home in West Covina for the past 12 years.



LCDR. EARL W. NORTON (r) chats with Cdr. H. H. Schleuning, Jr., NOTS Technical Officer, on his recent visit to Pasadena. LCDR. Norton left NOTS in November, 1963, after a two-year tour of duty. He is currently TAD to COMSTSPAC, (Commander Military Sea Transportation Service, Pacific Area), Fort Mason, San Francisco. While at NOTS he served as Acting Officer in Charge, San Clemente Island, from October 1961 to February 1962; Operations Officer, SCI, from March to May 1962 and also from March to November 1963; Acting Technical Officer and Assistant to OinC, NOTS, Pasadena, from June to November 1962; and Long Beach Sea Range Officer from December 1962 to February 1963.

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638

Cdr. Place Hawaii-Bound For Tour with ComServPac

Honolulu - bound for new duties as Assistant to the Chief of Staff for Weapons with CONSERVAPAC Staff is Cdr. W. M. Place, Acting Technical Officer and Technical Officer for ASW at NOTS Pasadena since October 1962 and detached on Sept. 21. Cdr. Place will report to Pearl Harbor for a three-year tour.

Assuming duties as Technical Officer and Technical Officer for Surface, is Cdr. H. H. Schleuning, Jr., who reported to NOTS, Pasadena, as Assistant Technical Officer in November, 1963.

Commander Place

As a lieutenant commander, he reported to NOTS from the Naval Air Station, R&D Department, Lakehurst, New Jersey.

Cdr. Place entered the service in 1943 with the V-5 program (Aviation Cadets) in Pensacola, Fla. He received his wings with the Multi-Engine Program in Corpus Christi, Tex., in 1951.

Part of this time, however, from 1945-49, he was separated from active duty and attended Purdue University where he received a B.S. degree in Aeronautical Engineering. He also holds a degree in Ordnance Engineering (Aviation) from Monterey Post-Graduate School.

He returned to Purdue in 1955-56 to receive a Master's degree in Industrial Engineering.

Cdr. Place, his wife Marigene (Jerry) and their three children will reside at Waikiki Beach on arrival in Hawaii.

Commander Schleuning

Cdr. Schleuning reported to NOTS from duty as executive officer on the USS Manley (DD 940). While aboard the Manley, he was at Guantanamo Bay, Cuba, in October, 1962. During this tour he was selected for Weapons Engineering Duty and in September 1963 was selected for promotion to commander.

Born in Cambridge, Neb., he entered the service in December, 1943 at Lincoln, Neb., served through WWII in both the Atlantic and Pacific theaters and was discharged in 1945.

He joined the reserves while

PROMOTIONAL OPPORTUNITIES

To apply for vacancies, contact Nancy Reardon, Pasadena Personnel Division, Extension 492. A current SF-58 must be submitted when applying.

Visual Information Specialist, GS-9, PD: 4P80090, Code P8096 Design and prepare art for the purpose of communicating information through various visual means for lectures, displays, and publications. Includes planning and designing presentation material for formal technical lectures, training conferences, and similar functions; planning in form of covers, pamphlets, and preparing visual material brochures; and other printed matter; and designing exhibits for presenting objects of three-dimensional nature.



CDR. W. M. PLACE

attending the University of Nebraska, received his commission and returned to active duty in July, 1950.

A B.S. degree in Engineering was earned at the Post-Graduate School at Monterey and a Master's Degree in Chemistry was received from Lehigh University, Bethlehem, Pa.

He attended Command and Staff course at the Naval War College, Newport, R. I., and was assigned two years in OPNAV.

FAREWELL PARTY

A farewell party honoring Cdr. and Mrs. W. M. Place will be held today, 4:30 to 7 p.m. at the El Dorado Inn, 2727 New York Dr., Pasadena.



CDR. H. H. SCHLEUNING, JR.

Research and Development Division.

During the Korean conflict, Cdr. Schleuning served three years on destroyers.

Cdr. Schleuning and his wife Pat (also from Nebraska), and their four children presently reside in West Covina.

Sailor-Historian Gets Medal of Freedom for His Naval Histories

Elmer Morrison, sailor and historian noted for his histories of naval affairs, was one of 30 Americans who received the nation's highest civilian recognition — the Presidential Medal of Freedom — from President Johnson last week. AFPS reported from Washington.

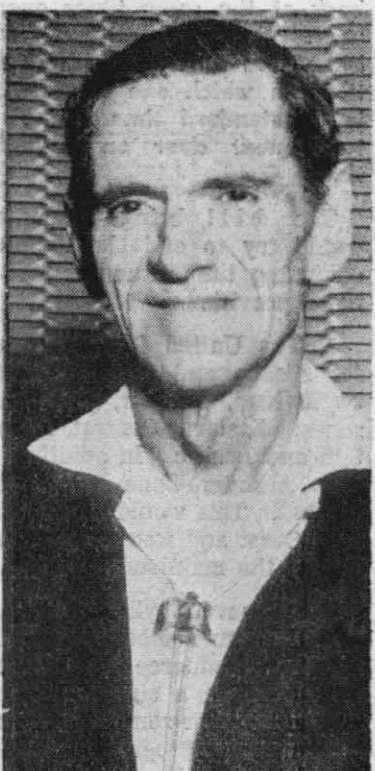
Al Irvin Terminates 16 Years with NOTS

Retiring from a 16-year career with NOTS, Alan R. Irvin leaves his position as Property Administrator in the Purchase Division of the Supply Department. He controlled government-owned property and materials furnished to vendors on NOTS contracts.

Although originally from New York City, all of his federal service has been in the Los Angeles area. First entering Civil Service in 1945, he worked for the Inspector of Naval Material in Los Angeles from 1945-1946. Subsequent government service was with the Veterans Administration Center, Sawtelle, before coming to NOTS at China Lake in 1948 and transferring to NOTS Pasadena in 1949.

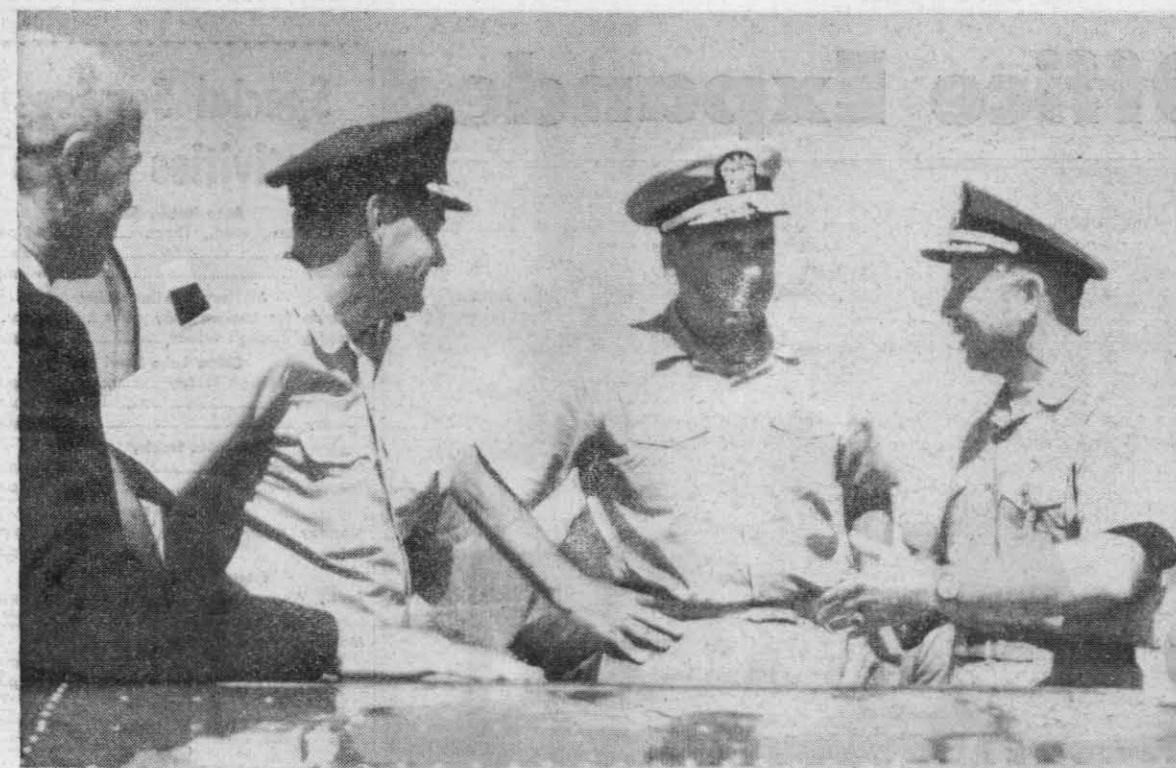
Al served in the U.S. Navy from 1923 - 1927 aboard gunboats and destroyers. He served again from 1942-1944 with amphibious forces.

Al, his wife, Ireta (also in the Supply Department) reside in Duarte with their 15-year-old son, Malcolm, who attends Lin-



ALAN R. IRVING

coln School in San Gabriel. Al is active in the Masonic Order.



RADM. J. T. WALKER, III, and Maj. Gen. George Brown, USAF, Commander Joint Task Force Two, are briefed by Station Commander Capt. John I. Hardy on NOTS project during visit to Station last Friday. RADM. Walker,

now Naval Deputy to Commander Joint Task Force Two, was Experimental Officer here 1954-55. He was succeeded by Capt. Hardy. At left is William H. Hampton, Station Technical Presentations Coordinator.

Dr. Leonard Heads NOTS Team at Propulsion Confab

Dr. G. W. Leonard, Head, Propulsion Development Department, heads a team of NOTS propulsion scientists and engineers who were scheduled to deliver papers at the Sixth Liquid Propulsion Symposium in Los Angeles this week.

Sponsored by the Chemical Propulsion Information Agency, the three-day event was scheduled to start last Wednesday.

Herman Hoffman, Liquid Propellants Branch, presented a paper co-authored by G. W. Burdette, N. J. Sippel and Dr. D. R. Poole entitled, "The Evaluation of a Metalized-Gelled MHF-3 Fuel with the Oxidizer Chlorine Trifluoride" during the opening sessions of the symposium.

Another local scientist, Dean H. Couch, Head of the Liquid Propellants Branch, was chairman of a special session on "Rheology of Gelled Propellants."

A special paper was presented by Ronald F. Dettling, Head, Project Branch C, concerning past work on positive expulsion tankage at NOTS. Robert Gould told of the present work NOTS is conducting in this field.

Within the working groups participating in the meeting were Dean Couch, with the Liquid Subgroup, which is responsible for directing the efforts of the ICPRG in the field of liquid propulsion; Ronald Dettling, Design Engineering; Ed Price, Combustion Instability; G. W. Burdette, Test Methods; Steven Lee, Design Automation; and Dr. Poole, Propellant Hazards.

Parents Get Income Tax Break on Navy Student Payments

A U.S. Appeals Court recently held in a new decision that, for income tax purposes, payments by the Navy to students attending college under its regular NROTC program are scholarships.

Several thousand students presently receive such payments. Thus a parent contributing to a student receiving such payments does not have to count the payments in calculating whether or not he provides more than half of the student's support, entitling him to claim an exemption. (From NAVNEWS).

Rumpp, Zabelka Named As FAX Advisory Men



DICK ZABELKA
... Committee Member

NORM RUMPP
... Committee Chairman

Propulsion Development Department's Norm Rumpp and Dick Zabelka, who were named by BuWeps as committee chairman and committee member respectively for the Advisory Group on FAX, have returned from the first meeting of the group held in Washington, D.C., last week.

The BuWeps appointees serve as members of a special technical advisory group, known as STAGs, to Project SMEADO.

SMEADO stands for Selected Major Exploratory and Advanced Development Objectives for missile research and development as set forth by BuWeps' Missile Development Office. Its purpose is to derive a comprehensive set of up-to-date program plans for each budget cycle.

Rumpp Cited

In a letter to Station Commander Capt. John I. Hardy, BuWeps' Missile Development Office's J. R. Payne singled out Rumpp's "demonstrated program organizing abilities, and special technical competence" in designating him as chairman of the Advisory Group on FAX.

SMEADO was established to bridge the gap between exploratory development and the initiation of advanced development of weapons.

STAGs groups' objectives are four-fold in scope. They generate a realistic life or five-year program plan toward a specific technical objective, provide a

documentation basis for justifying effect coordination of inter-agency inputs to program plans, and assure communication between all interested parties.

Committee Members

In addition to Rumpp and Zabelka other committee members of the FAX Advisory Group, which is to be tri-service in scope, are Frank McCleskey, NWL, Dalgren; Fred Howard, Eglin AFB; Robert Daniel, NOL, White Oak; and Al Hoffman, BRL, Aberdeen.

Army-Navy Museum Fund Drive Continues

Washington (AFPS) — The Navy National Committee of the Army-Navy Museum Fund said it has reached the first \$100,000 in a drive to match the \$275,000 raised by the Association of the U.S. Army.

The money is being raised for building and fitting of the Army-Navy Museum in Independence National Historical Park, Philadelphia.

Donations, which are tax deductible, may be sent to James M. Large, National Treasurer, c/o Provident Trust Co., P.O. Box 7647, Philadelphia, Pa. 19101.

'Bluejacket' Hagadorn Keeps Eye on Future In Technology Field

You can rate husky Lawrence L. Hagadorn, FTMI, the command's "Bluejacket of the Month," as one of the Navy's more valuable assets.

He represents a smooth blend of qualities the Navy vitally needs in its space-age future.

At 27, Hagadorn is decidedly a career man. He is deeply entrenched in a highly complex field of technology, digitalized radar guidance for fire control systems.

A high school graduate, Hagadorn developed his skills and abilities in Fire Control schools and specialized training courses over a two-year period.

The Navy has invested countless thousands of dollars in this training, an investment that is already yielding handsome dividends.

Attached locally to the Guidance Radar Branch, Test Department, Hagadorn was commended this month for his technical contributions to the development of a Station project concerning a digital range unit for shipboard implementation.

In the commendation, Dr. I. E. Highberg, Head of Test Department, called Hagadorn, "a person the Navy can be proud of" referring to the talented contributions and dedicated zeal Hagadorn had demonstrated in his association with program scientists and technicians.

Graduated from his hometown high school at Hanford, Calif., Hagadorn reported to China Lake in February 1963. He married Janice Long, the daughter of a local family, Mr. and Mrs. Ernest Long, in September of that year.

"This is where my life seems to have really begun," he commented, explaining that his Navy career started in January 1955, in the destroyers USS Colahan, Buck and Haverfield.

Bakersfield will acknowledge the China Lake "Bluejacket" this weekend as a man possessing outstanding characteristics. He'll be provided plush motel accommodations, the use of a new car, guest meals and entertainment. Merchants have the recognition gifts awaiting him. "It is the first time in my



LAWRENCE HAGADORN

life anything like this has ever happened," he noted, a grin of excitement splitting his tanned face earlier in the week.

Hagadorn's biggest reward though comes with his return to China Lake next Monday.

"I can't describe in words how I feel toward my duties at China Lake. Every day is a thrilling, new experience. I feel as though I'm a small part of the team effort the Navy is making in its technical advances."

"I'm convinced that our nuclear Navy must be developed on the same foundations — which include traditions — as those of the past."

"Out of heritage and tradition, I believe will come the success we all have been shooting for."

Test Massive Glass For Deep Dive Craft

WHITE OAK, Md. (AFPS) — Jules Verne's science fiction submarines had big, bug-eye windows—but the U. S. Navy is studying the possibility of doing the French novelist one better.

Picking up where Mr. Verne left off, H. A. Perry, research engineer at the Naval Ordnance Laboratory, Silver Spring, Md., is currently researching the feasibility of using massive glass for the entire hulls of all-depth workboats, submarines and bottom-fixed installations.

Mr. Perry reports glass offers unique possibilities for a breakthrough to high levels of buoyancy, reliability and operating hulls.

The engineer first put his theories to test in March with several other scientists aboard the Navy research vessel Gillis over the Puerto Rico Trench.

With 95 hollow spheres, they lowered each sphere separately to predetermined depths with an explosive charge mounted at a specified distance from the sphere.

The spheres were lowered to

depths of 300, 7,000, 14,000 and 21,000 feet. At each depth several spheres were used, varying only the distance between the sphere and the explosive.

The results showed that the spheres' resistance to damage by shock pressures increases markedly the deeper they go, being five times stronger at 21,000 feet. By contrast metal structures become progressively less resistant to this type of damage the deeper they go.

Several more tests have been run since March which show that massive glass with protective overlays could be used for deep submergence structures. However, the scientists point out that much engineering and evaluation remain to be done before conclusions may be drawn.

If you Plan to Drive In Mexico, Read This

Important information — and advice — regarding travel in Mexico in privately-owned vehicles was circulated throughout the Station recently via NOTS Notice 5800.

"Auto accidents in Mexico fall under the Mexican penal code rather than its civil code and there is no presumption of innocence. Consequently a person involved in such an accident normally is jailed pending a determination of fault.

"If the U.S. driver is determined to be at fault, he will continue to be held until he: (a) pays any fine that may be levied and (b) makes restitution, under a civil judgment, to the other party; this could be a period of weeks or months. The fact that the driver's U. S. insurance policy extends coverage to Mexico is of no help in keeping the U. S. driver out of jail because U. S. insurance ad-

justers are prohibited from operating in Mexico.

"Automobile insurance issued by a Mexican company is held to constitute proof that the insured will be able to make good on damages which are determined to have resulted from his fault and a Mexican adjuster normally can arrange the driver's immediate release. Mexican written policies are available at the border and the average rates are approximately \$2.50 for 3 days coverage of \$5,000 property damage liability and \$10,000 bodily injury liability; \$4.15 for 5 days with the same coverage; and \$5.50 for 5 days with \$10,000 - \$20,000 coverage. Finally, there is a 24-hour policy available for approximately \$3.00 which includes coverage of \$10,000 property damage and \$10,000 bodily injury liability.

"Obtaining of liability insurance for private vehicles from a Mexican firm, prior to driving in the Republic of Mexico, is an action any prudent person should take."

Conservation Programs Grow On Military Bases

Washington (AFPS) — The number of U.S. military installations that took part in active fish and wildlife conservation programs increased to 229 in Fiscal Year 1964, as compared to 160 for the previous year, according to Assistant Secretary of Defense (Manpower) Norman S. Paul.

The estimated number of visitors granted installation access for hunting, fishing and other outdoor recreational activities increased to 1,443,580 during FY64, compared to 592,230 the previous year.

Secretary Paul said 16,176,768 acres of land, approximately half of all lands in Department of Defense control, are being used for fish and wildlife programs and other natural resource activities in addition to the primary mission of defense.

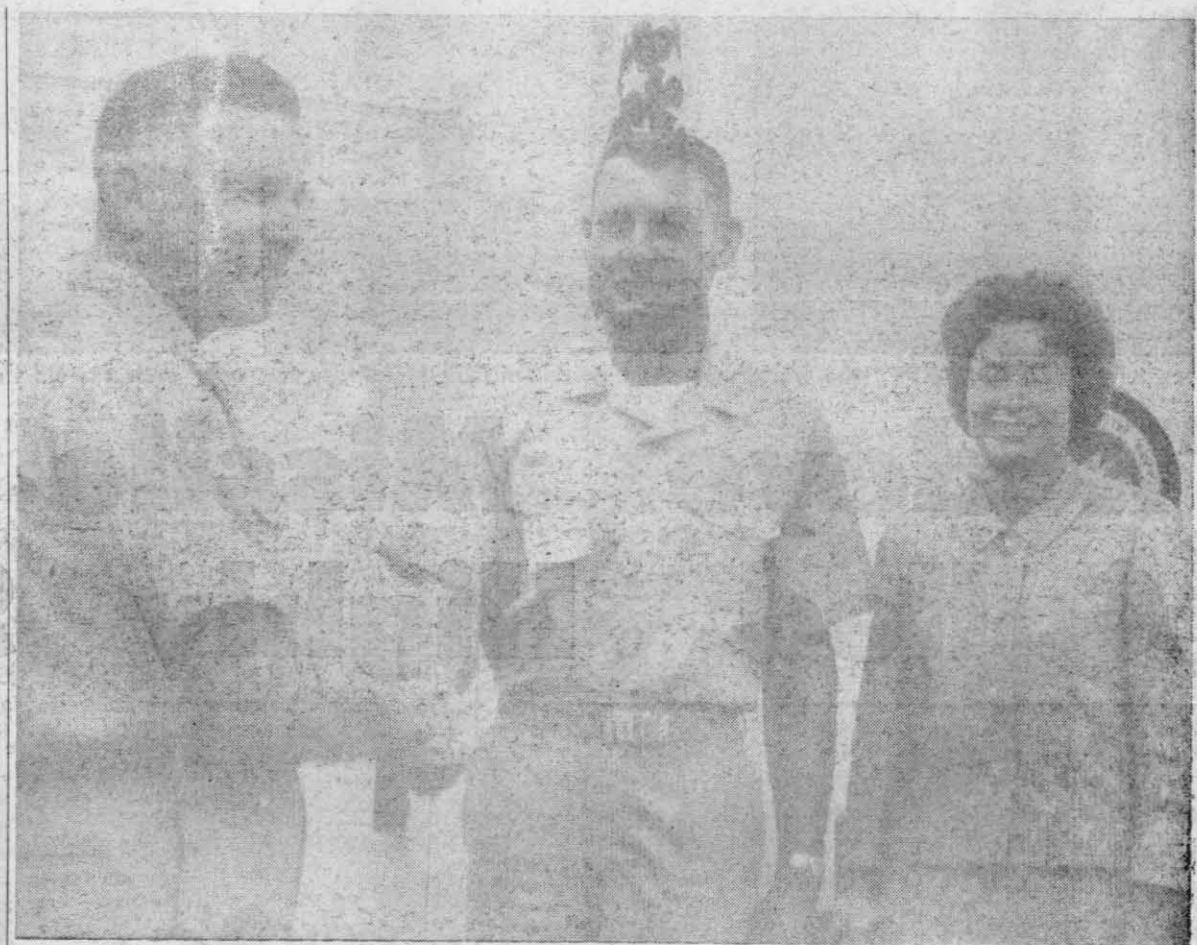


LCDR J. M. (MIKE) O'LANE reported to Station Hospital this week from Balboa Naval Hospital. A Seattle, Wash., native, Dr. and Mrs. O'Lane live at 713 Kearsarge with their seven children, John, 8, Thomas, 7, Howard, 5, Sally, 4, Alan, 3, Mary, 2, and Kevin, 1. The newly arrived officer assumes duties here as Chief, Professional Services Division.



WISE OWL AWARD — Chief Charles L. Wilson is presented a "Wise Owl Award" by Frank Knemeyer, Head, Weapons Development Dept. Because Wilson was wearing safety glasses when a pyrotechnic charge inad-

vertently ignited, his eyes were not injured. Observing presentation (l-r) are R. S. Clark, Head, Explosive Ordnance Evaluation Branch; Kit Skaar, Head, Safety Dept.; Dr. M. M. Rogers, Head, Air-to-Surface Weapons Div.



NEWEST FOUR-STRIPER on Station is Capt. Atlee F. Clapp, promoted to new rank last week during brief ceremonies in office of Capt. John I. Hardy, ComNOTS. Attached locally as Military Assistant, Weapons Development

Department, Capt. Clapp had served previously with China Lake-based VX-5 and reported for his current tour of duty from CO, Advanced Early Warning Squadron 13. Beaming approval is Mrs. Clapp.

VIPs See Successful 'Redeye' Test Firings

(Continued from Page 1)

live demonstration firings that "Redeye" would be utilized in multiples against a singular target in actual battle tactics.

A heat sensing device guides the missile to its target once the operator has "acquired" the target in his sights.

The OH-13 drone helicopter, simulating an attacking enemy plane, came in over the launch area at about 200-foot elevation. "Redeye" was launched at a point shortly following the drone's overhead pass, its wake traced by a thin line of fire until the actual explosion on impact.

The spectacular hit caused the drone to burst into flames and crash to earth amid cheers and applause from the audience.

Television and newsreel cameramen from NBC, CBS and ABC recorded the successful scenes for broadcast throughout the world later this week.

Here to narrate the television coverage were news personalities Roy Neal of NBC and Jules Bergman of ABC networks, in addition to numerous news celebrities from the Los Angeles, San Francisco and Southern California areas.

A trio, including Capt. Huddleston, Colonel A. W. Reed, and Captain D. E. Green, both of the Army Missile Command, conducted briefings for both the press and NATO personnel.

Briefings on "Redeye" had been conducted at China Lake as far back as 1959 following the contract award for research and development to Convair by the Army Rocket and Guided Missile Agency, U.S. Army Ordnance Missile Command.

Weapon's Potential Lauded

Numerous officials, both U.S. and allied nations, have praised the potential values of the weapon and Congress authorized continued operational research and development during fiscal year 1964.

According to official specifications released yesterday, the weapon is a primary, surface-to-air, guided missile system. The missile can attain supersonic speeds. Its propulsion is provided through a two-stage solid fuel chamber.

Guidance for the weapon is based on the infrared homing concept, similar to China Lake's famous "Sidewinder" air-to-air missile, invented by Dr. William B. McLean, NOTS Technical Director.

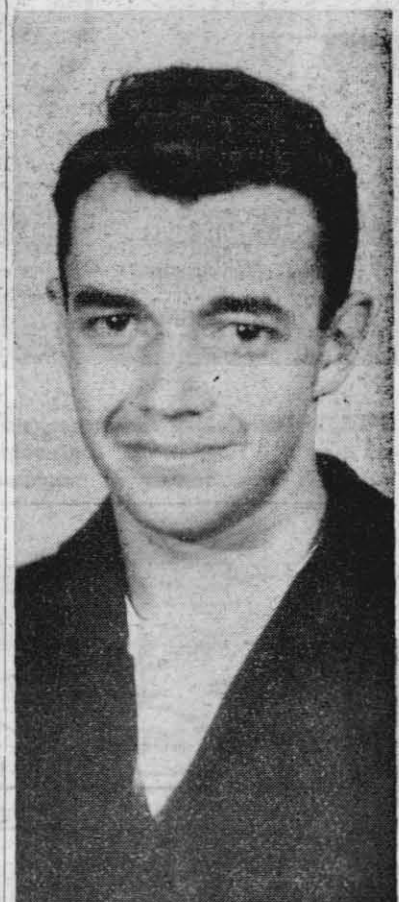
One-Man Operation

One of "Redeye's" most significant values is the single-man operational requirement. Approximately four feet in length, it is shouldered in firing position much the same as a rifle.

Officials said the weapon has no noticeable recoil action.

"Redeye" represents one of the most dramatic advances of a weapons system yet developed for the common, front-line foot-soldier's protection against attacking enemy aircraft in forward combat zones, according to officials.

Lamoureux to Prep For Naval Academy



EDWARD LAMOUREUX

China Lake's Edward R. Lamoureux, 18, AEAN, attached to Air Development Squadron-Five since early this year, departs the Station this week for enrollment at the U.S. Naval Preparatory School, Bainbridge, Md.

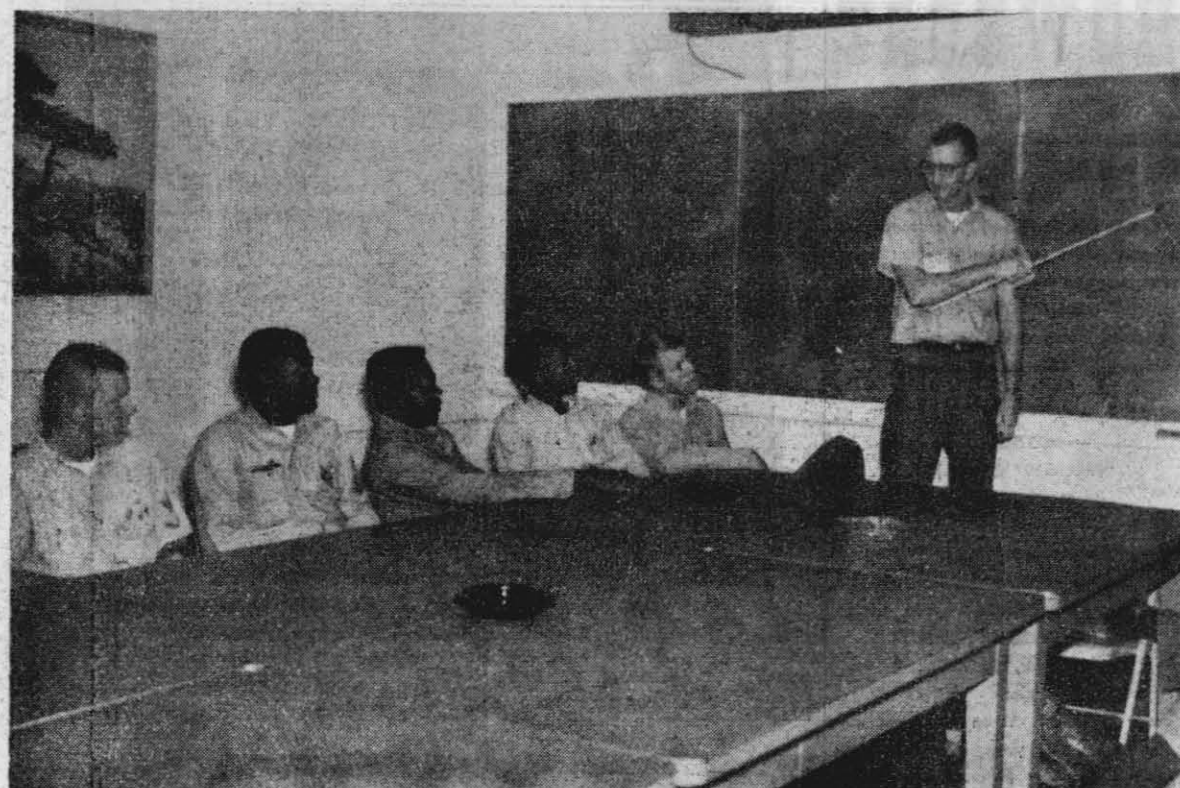
The youthful bluejacket will undergo instruction preparatory to entering Annapolis next June.

Lamoureux had completed instruction at Aviation Fundamentals and Aviation Electrician's Mate schools before assignment to the local squadron.

He won his selection for enrollment at the Naval Academy through fleet-wide competitive examinations which are held annually.

'How'—to Succeed

Sign in an Indian shop in New Mexico featuring tomahawks, bow and arrows, etc: "Apache War Surplus."



SKULL PRACTICE is conducted for NAF's key cagers by Coach K. H. Stewart. Players

(l-r) are M. J. Louk, H. L. Jackson, W. G. Womack, R. J. Leeper, and D. R. Johnson.

NAF Cagers Meet

Getting an early start on the forthcoming basketball season, NAF's Coach K. H. Stewart, AQ2, held a "skull session" for this year's team hopefuls.

A 10-year veteran of the game, Coach Stewart briefed his men on several plans of attack to be employed this year.

Others returning from last year's quintet are P. Romos, AMH3, H. F. Kelley, AC3 (of softball fame), D. R. Johnson, ABH3.

W. C. Womack, AMH3, and LTJg. R. J. Kinsella are expected to add height and experience to the 1964-65 squad.

New prospects for key positions are E. R. Bradley, PN3, R. J. Leeper, AN, and P. M. Turner, AA.

Scene and Heard

(AFPS Weekly Feature)

The all-in-fun intra-service rivalry between the Navy and Marine Corps had a chuckly twist at the close of the 1964 National Rifle and Pistol Matches at Camp Perry, Ohio. A Marine took a championship away from a Marine.

Chief Petty Officer Daniel F. Morine became the first member of the Navy to win the National Service Rifle Championship by firing an 892-76 score to lift the crown won last year by Marine Sgt. Frank Kruk.

Officials of the month-long meet, held annually in August at Camp Perry, declared that it was one of the best. Shooting was excellent, they said, in all three phases — pistol, small-bore and high-power rifle.

And, as usual, servicemen came away with their share of the top prizes and then some. In open competition servicemen were dominant among the top 10 finishers in nearly every event.

Early in the matches, competitors on the pistol firing line stepped back and gave quite a polite pat of applause to a man whose pistol skills have made his name an institution at Camp Perry. This rare tribute was for SFC William B. Blankenship, who won an unprecedented fifth straight National Pistol Championship with a final score of 2642-112. He also repeated as Regular Service champion and climaxed his fine display of shooting by winning the National Trophy Individual Match. As if that wasn't enough, Sgt. Blankenship also repeated as winner in the Center Fire category, the Preliminary Aggregate and the Center Fire Preliminary.

Other servicemen who emerged from the matches as shooting stars are Army Capt. Presley W. Kendall, CWO James E. Hill, Marine Corps, and A1C Middleton W. Tompkins, Air Force. Captain Kendall took one of the two most coveted small-bore championships when his 1557-74 score won for him the National Position Championship. Mr. Hill copped the National Prone Championship in the small-bore class with a 4739-379. He also took top honors in the Prone Any-Sight Match, Prone Team Fund Aggregate, 50-yard Metallic Sight Match and 100-yard Metallic Sight Match.

Airman Tompkins won the National High-Power Bolt Rifle Championship with a 794-81. He first won the title in 1958, then again last year. Airman Tompkins also won two other trophies in this year's high-power competition.

In team competition, Army, Marine Corps and Air Force names appeared among the top five positions in nearly every team event.

Service women had their say, too. WAC Capt. Sallie L. E. Carroll, and WAC Sp5 Barbara Hile stood silent in the sunshine as their weapons barked out victories in the National Women's Pistol Matches and the Women's Service Rifle Matches, respectively.

Veteran College Leaders To Vie for Pigskin Titles

(Part Two—AFPS Football Series, 1964)

On the collegiate football front, the rules have been amended again, a few coaches have changed jobs, the bowl picture is anybody's guess, but the same old faces should show up in the national rankings and win the bowl bids. In fact, you can substitute the pre-season ratings from 1955, 1961, 1959 — or any year in the past decade — and not be far from the 1964 pre-season consensus.

Almost any pre-season ratings you pick up will include these teams: Illinois, Texas, Navy, Penn State, USC, Ohio State, Auburn, Alabama, Mississippi, Duke, North Carolina, Arkansas, Oklahoma, Michigan, Washington and Syracuse. Sound familiar?

Big Ten — Illinois has the inside track on a second straight league title. But tugging for the Rose Bowl ticket will be Ohio State, Michigan, Purdue and possibly Indiana. Its one of those "rebuilding" years for the rest.

Pacific Coast — Washington, UCLA, California and USC play it rough and play it close — this year is no exception. The Huskies, however, have Junior Coffey. Stanford and Oregon State are on the upswing.

Southwestern — Texas was unbeaten last year, but it didn't have it easy. Arkansas and Rice will make it even closer this season. SMU and Baylor, both young but loaded, will help make the league very tough.

Sooners Eye Crown

Big Eight — The Sooners think not only in terms of a league crown, but also of a national championship. On Oklahoma's heels, but only as longshots, come Nebraska, Kansas and Missouri.

Southeastern — Mississippi dreams of being unbeaten, a bowl bid and a national crown. They could achieve all three. A darkhorse is Kentucky, but this tough football circuit also has LSU, Auburn, Alabama and Florida.

Atlantic Coast — Hey, Duke may come in second! That's because North Carolina has what it claims to be its best bunch in years. This competitive league will have many exciting Saturdays.

Mid-American — An unheralded but tough conference it's a fight among Miami of Ohio, Ohio U. and Bowling Green.

Missouri Valley — Cincinnati, if not a sure bet, the next best

thing. The other four about even.

W.V. Reign Nearly Over?

Southern — West Virginia's long dominance could be over, in favor of VPI or new member Richmond.

Western — Wyoming, possibly, but Arizona State always fields a winner.

Ivy League — Yale, Princeton or Harvard? It's academic. Columbia has Archie Roberts, however, and there's also Dartmouth.

Independents — The 10 best: Navy, Pittsburgh, Notre Dame, Florida State, Georgia Tech, Memphis State, Miami of Florida, Houston, Army and Syracuse.

BOWLING

NEWS

By Dick Zinke

Premier League 865 Scratch

Burt Andreason led the Station Restaurant team to three wins with some clutch bowling and rolled a big 646 series with games of 210, 212 and 224. However, Bucky Donlevy put the first six in the pocket and rolled a fine 237 game and set high game for the league's first night.

The Station Restaurant team also had high game and series for the night with an 896 game and a 2534 series.

Monday Night Women's Scratch

High team game for the night went to the Unpredictables with 625, but the Unbelievables came through and made some believe by shooting a 1773 series. Marge Zinke and Alice Cutsinger of the Unbelievables took individual honors with Alice rolling a 491 series and Margy had a 200 game. Congratulations and a round of applause went to Marie L'Hommiedieu, who picked up the difficult 2-7-10 split.

China Lake Women's Handicap League

The Hits & Misses were unbeatable this week and shot high team game and series with a 938 and 2691 respectively. Jeanne Krausman again took high scratch game and series with 202 and a fine 551 series. Charlotte DeMarco also had a 200 scratch game. Handicap individual highs went to Ella Bevis with her 230 game and Vivian Dalpiaz totaled a 604 series.

Midway League

Richard Frederick of the Playboys had quite a night by rolling a big 266 game but couldn't get by Stanley Abele of NAF who posted high series with 572. High team game went to NAF with an 871 while the Chillers came through with three to take team series with a 2476.

Tomorrow the Junior League will begin with the boy and girl Bantams rolling off at 9 a.m. and the Juniors taking the second shift at 11 a.m.

Scuba Diving Course

The Sage Sharks Diving Club is offering an eight-week course in basic scuba diving beginning October 3 at 9 a.m. at the Station Pool, for good swimmers who are 16 years or older. For information call Harold Cronin, 72730, or Barbara Frederick, FR 5-2758.



SAFETY SWEETHEART — Any helpless young man needing aid off the Miami Beach coast would be fortunate indeed to be rescued from water by this gorgeous life guard.

Synchronized Swimming Club Starts Practice Sessions Next Monday

All women and high school girls in the community are invited to join the synchronized swimming club. Practice sessions will be held Monday afternoons, 3:30 to 4:30, starting Sept. 28, in the Station Pool.

Synchronized swimming is the art of swimming to music, according to Jan Hays, who may be contacted at 725412 for further information.