

Most Facilities To Be Closed On Thanksgiving Day

Most Navy Exchange facilities will be closed next Thursday, Thanksgiving Day, including the Commissary Store, Retail Store and Outdoor Shop, Barbershop, Beauty Shop, Laundry and Dry Cleaning Shop, and the Service Station. They will be open the following day, Friday, Nov. 27, on regular hours.

The Commissary will remain open until 6 p.m. on Wednesday, Nov. 25, so that patrons may shop for Thanksgiving goods.

Remaining open on Thanksgiving Day will be the Snackbars at the Bowling Alley, Station Theater and Golf Course.

The Station Restaurant will be open until 1 p.m. only on Thanksgiving Day, but resumes regular hours on Friday. Michelin Lab restaurant will be closed both Thursday and Friday, as will the Salt Wells restaurant.

The Malt Shop and the Station Library also will be closed on Thursday, Thanksgiving Day.

Puppet Show Gets 'Snowed Out,' Set For Next Monday

The puppet show scheduled at the Station Theater last Tuesday got "snowed out," sponsors reported.

A single performance of "Ali Baba and the Forty Thieves" by the Lesselli Marionettes has been rescheduled for Monday, Nov. 23, at 3:30 p.m.



BLUE RIBBON FLOWER ARRANGERS at Oasis Garden Club's Third Annual Fall Flower Show, held Nov. 12 at Community Center, inspect the horticulture exhibit with Mrs. Olive McCombs (right), District Director of California Garden Clubs, Inc. Awardees (l to r) are Mary Wickenden, Peggy Whaley, Louise Richards, Esther Rowntree, Marianne Kistler and Lilah Harmon. Not present were Ann Lindberg and Bernice Meade.

FIRST FIGHTING SHIPS

The first fighting ships—war galleys—were developed by the Phoenicians in 700 B.C. By 500 B.C. the war galley had been developed into the Athenian trireme and remained the principal type of fighting vessel for 2,300 years.

Two NOTS Men Become Exclusive Hurriphooners



NEW HURRIPHOONERS Maurice Hamm (left) and Niel Waggoner of NAF receive certificates from LCDr. John G. Jackson, AEWROC Four pilot, "certifying" their membership in the "Not So Ancient Order of the Hurriphooners."

Two more NOTS men were ushered into the ranks of the "Not So Ancient Order of the Hurriphooners" this week. Lieutenant Commander John G. Jackson, pilot of the Super Connie WC121N, Hurricane Hunter plane based at NS Roosevelt Roads in Puerto Rico, presented Hurriphooner certificates to Niel Waggoner and Maurice Hamm of NAF.

On Sept. 9, Hamm flew into the eye of Hurricane Ethel. Sept. 14, Waggoner was aboard when LCDr. Jackson penetrated Hurricane Hilda. Both flights were made at low altitude in winds of more than 100 knots. LTJg. Barrett E. Austin was navigator on both the AEWROC Four missions.

Opportunity for the two NOTS men to fly the hurricane missions came when the storms occurred while LCDr. Jackson and Lt. Austin had their plane at the NAF hangar for an aircraft modernization project.

One advantage of being married is that you don't make a fool of yourself without finding out about it.

SHOWBOAT

FRIDAY NOV. 20

"THE SECRET INVASION" (98 Min.)
Stewart Granger, Raf Vallone, Mickey Rooney
7 p.m.

(War-Drama in Color) Group of crime "specialists" are used by the Army to effect the prison-break release of an Italian commander needed to assist the Allied Forces in Yugoslavia. Underground vs. the German Army. (Adults, Youth.)

Short: "Sunshine, Song and Senorita" (10 Min.)

SATURDAY NOV. 21

—MATINEE—

"MY DOG BUDDY" (77 Min.)
Ken Curtis
1 p.m.

Shorts: "Snow Time" (7 Min.)
"Capt. Marvel No. 2" (17 Min.)

—EVENING—

"FOUR DAYS IN NOVEMBER" (122 Min.)
Richard Basehart narrates shocking assassination.
7 p.m.

(Documentary) In the memory of man few events have shocked the world as those four days in November. With scenes never presented before, a minute-by-minute account of President Kennedy's assassination. (Adult, Mature Youth.)

SUNDAY-MONDAY NOV. 22-23

"I'D RATHER BE RICH" (95 Min.)

Sandra Dee, Robert Goulet, Andy Williams

7 p.m.

(Comedy in Color) A pretty Bostonian's fiancé's plane is grounded so she uses a substitute to present to her dying grandfather who is worried about her future. Two fiancés can complicate a girl's life! Three pop songs and romantic comedy from a top cast. (Adults, Youth.)

Shorts: "Woody's Clip Joint" (7 Min.)

"Gold Medal Divers" (10 Min.)

TUESDAY-WEDNESDAY NOV. 24-25

"NIGHT OF THE IGUANA" (117 Min.)

Richard Burton, Ava Gardner

7 p.m.

(Drama in Color) Tennessee Williams story of a former minister reduced to conducting an unsuccessful Mexico tour for teachers. Ava is a brash, brazen hotel owner, Deborah a penniless artist and Sue a passionate teen. Academy award performances of one man, three women. (Adult.)

THURSDAY-FRIDAY NOV. 26-27

"STOP TRAIN 349" (91 Min.)

Jose Ferrer, Sean Flynn

7 p.m.

(Cold-War-Drama) Westbound sealed American train is stopped by the Russians whose right to search is denied by a young lieutenant until... Typical suspense drama. (Adults, Youth, Mature Children.)

Shorts: "Rocket by Baby" (7 Min.)

"King of the Saguenay" (10 Min.)

Top Propulsion Men at Two-Day Symposium Here



JESS OSIER

The behavior of space-age propellants in rockets and missiles was the subject of a two-day symposium at NOTS this week.

Nearly 100 military and industrial engineers, scientists and executives from all over the country joined NOTS personnel Wednesday and Thursday for the discussions.

J. F. (Jess) Osier, Head of NOTS Propulsion Systems Division, was chairman for Wednesday's morning sessions. R. A. Miller, Head of the Development Engineering Branch, was chairman for the afternoon program. Thursday's morning chairman was K. G. Thorsted, Head of the Propulsion Components Branch, and R. W. Feist, Engineering Projects Branch, held the chair for the final sessions.

Participating in the discussions were: D. R. Randle, of NOTS, "Rocket Motor High-Spin Test Stands;" R. B. Dillinger, NOTS, "Spin Effects — The Internal Ballistics of End-Burning Solid Propellant Rocket Motors;" C. W. Abernathy, NOTS, "Fluorocarbon Propellant Performance in an Acceleration Field;"

Robert Swain, NASA, Langley, Va., "Rocket Motor Spin Data Summary;" Ralph Bernard and A. L. Karneskey, Aerojet-General Corp., Sacramento, "Spin Effects on Rocket Motor Per-

(Continued on Page 5)

ROCKETEER

Vol. XIX, No. 47 Naval Ordnance Test Station, China Lake, California Fri., Nov. 20, 1964

Tom Turkey To 'Retire' With Honors Thursday



TOM TURKEY picked up a one-way trip ticket at the Station's Galley this week as Navy cooks started preparations for Thanksgiving feast. Brace of "sideboys" welcomed suspicious bird with raised carving knives instead

of salutes. Jesse Luevanos, CS1, coaxed bird as cooks (left row) E. P. Embree, CS3; R. J. Clancy, CS2; D. R. Aiken, CS2; (right row) J. A. Slaton, AA; W. R. Black, Jr., SA; and R. A. Serchen, SA, waited to do their duty.

—Photo by Bryce Cacek, PH3

Over 1500 Pounds Of Goodies For Thanksgiving Day

Traditional Thanksgiving turkey will reign supreme on the menu here next Thursday for China Lake's military personnel, their dependents and guests, but the seasonal fowl will be almost obscured by the ton of food items being prepared by Navy cooks for the Station's biggest feast of the year.

Joining military installations throughout the world in a festive observance of Thanksgiving Day, NOTS, NAF and VX-5 personnel may escort their families and guests to the Thursday afternoon meal.

Some 1500 pounds of menu items — excluding rolls, pies, milk, coffee and garnishes — are included in the meal, to be served between the hours of 3 and 5:30 p.m.

48 Hours to Cook

Directing the preparations and overall effort is Lieutenant (jg) James D. Conway (SC), Commissary Division Officer. Some 33 cooks, mess cooks and galley personnel serving under Earl A. Tanguay, CSC, will start preparing the food 48 hours before the Station messhall is opened.

The Thanksgiving meal will be served under the direction of Arden Kvamme, CS1, Watch Captain, who will have a crew of assistant cooks and bakers working well in advance to the

(Continued on Page 2)

60 Physicians and Surgeons Here For 2-Day Symposium

A two-day medical symposium began here yesterday afternoon with Captain Leon Grabowsky, executive officer, extending the command's welcome to some 60 physicians and surgeons who came to China Lake from points throughout southern California.

Opening remarks by Captain C. J. Honsik (MC), Station Medical Officer and Chairman of the event, were followed by the presentation of a medical paper by Lieutenant Commander Mitchell Mills (MC).

LCdr. Mills' talk covered "Spontaneous Pneumothorax, A Series of 400 Cases," and was followed by a second presentation, "Tumors and Pseudo-tumors of the Mediastinum," given by Captain Bruce Baisch (MC).

From San Diego

Both guest speakers are attached to the San Diego Naval Hospital where Capt. Baisch serves as Head, Thoracic and Heart Surgery, and LCdr. Mills with Thoracic Surgical Service. The Thursday program included a reception and dinner



CAPT. C. J. HONSIK

with a second presentation by

Capt. Baisch, titled "Surgical Management of Coccidioidomycosis."

Several of the medical papers scheduled for delivery during the symposium are soon to be published, according to Capt. Honsik.

Tour Ranges, See Test

The visiting groups were scheduled to resume activities this afternoon following a tour of test facilities and ranges, including a firing demonstration earlier in the day.

LCdr. Mills was scheduled to present "Management of Acute Renal Failure," followed by Capt. Baisch's closing paper, "Management of Traumatic Chest Injuries" in the afternoon session.

Medical representatives from Edwards Air Force Base, Fort Irwin, Twenty-Nine Palms, Bakersfield, Bishop, Ridgecrest, Randsburg, Norton Air Force Base and Buttonwillow were scheduled to attend the event, (Continued on Page 3)

CROSSWORD PUZZLE

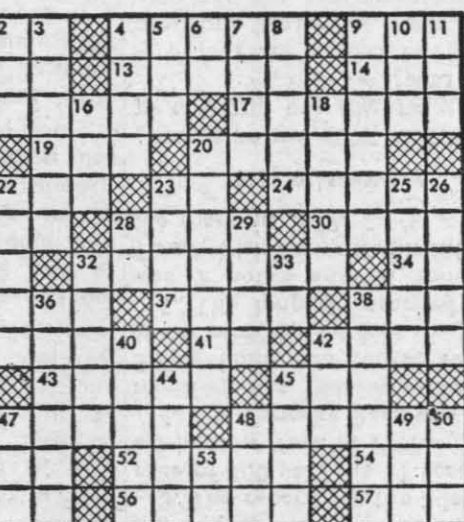
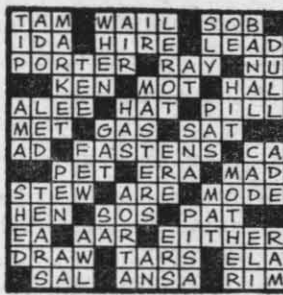
Answer to Previous Puzzle

ACROSS

- 1-Weaken
- 4-Bottle-shaped vessel
- 9-Squeeze
- 12-Girl's name
- 13-Climbing plant
- 14-Macaw
- 15-Separated
- 17-Weirder
- 19-Expire
- 20-Repulse
- 21-Satellite of earth
- 23-Pronoun
- 24-Prophecy
- 27-Beard of grain
- 28-Masculine
- 30-Part of violin
- 31-Preposition
- 32-Bounds
- 34-River in Italy
- 35-Tidy
- 37-Mother of Apollo
- 38-Cut
- 39-Was mistaken
- 41-Brother of Odin
- 42-Healthy
- 43-Worn away
- 46-Related
- 48-Back down
- 49-Has been borne
- 51-Man's name
- 52-Artist's stand
- 54-Hawaiian wreath
- 55-Manuscripts (abbr.)
- 56-Killed
- 57-Cloth measure

DOWN

- 1-Drink slowly
- 2-Girl's name
- 3-Forgive
- 4-Escape
- 5-Cover
- 6-Cooled lava



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From

TO

PLACE
STAMP
HERE

Housing Assignments—October 1964

Levels Reached

Hiral Date or
Date of Rank

Type	Housing	Priority	Group	Hiral Date or Date of Rank
Panamint (4)	None			
Panamint (3)	None			
JOQ (2)	None			
MOQ (4)	None			
Hill Duplex (3)	None			
Hill Duplex (2)	None			
Wasp Circle Duplex (3)	None			
Joshua (4)	None			
Yucca (4)	None			
Juniper (3)	None			
Tamersik (4)	CF			9-5-62
Old Duplex (2) (LBP)	CF			10-9-55
Old Duplex (2)	CH			9-11-61
Wherry (4)	CL			4-27-61
Wherry (3)	CL			10-19-64
Wherry (2)	CK			8-27-64
Normac (3)	CL			4-26-55
Normac (2)	SK			7-1-61
Normac (1)	CK			9-10-48
Letourneau (2)	CK			12-11-63
Hawthorne (3)	CJ			1-31-63
Hawthorne (2)	CK			1-13-64
Hawthorne (1)	CK			8-23-62
Motel (1)	None			
Motel (0)	SG			8-2-64
Apartment (3)	None			
Apartment (2)	None			
Apartment (1)	None			
Apartment (0)	SG			8-2-64

JEWISH MESSAGE

Hanukah: Dedication

By (Student) Rabbi David Zucker



On the evening of November 29, the Jewish personnel in this community will join Jews throughout the world in celebrating the eight-day festival of Hanukah, or the Festival of Lights.

This holiday commemorates a struggle for independence fought over 2000 years ago. The Jewish people were being forced to worship idols by the Syrian king Antiochus IV. Finally after months of passive resistance, a small group banded together to stage a revolt.

Led by Mattathias and later by his son Judah, they started to go up and down the country destroying the altars that had been built for the idol worship. Judah was called Maccabeus (the Hammerer) and so his band of guerrilla fighters was known as the Maccabees. A brilliant tactical fighter, Judah Maccabeus avoided fighting direct battles, and instead concentrated on small night attacks. This way he and his men successfully defeated armies larger than their own.

When the Maccabees finally won their fight they had to rededicate the Temple in Jerusalem, for it had been polluted by the Syrians. This special festival which was marked by the kindling of lights was celebrated for eight days, and the name of the holiday was called Hanukah, which means Dedication.

Today Jewish people continue to celebrate this holiday of independence and light candles on eight-branched candelabra. A candle is added each night until all the eight spaces are filled. Frequently presents are exchanged in commemoration of the joy of the Jewish people's successful battle for religious independence.

On December 4th, there will be a special addition to the regular Sabbath services. This will be the inclusion of certain prayers for the Festival of Hanukah and the kindling of the Hanukah lights.

Rabbi Zucker Will Conduct Jewish Service Tonight

Student Rabbi David Zucker will conduct the Jewish services to be held tonight starting at 8:15 p.m. in the East Wing of the All Faith Chapel.

Rabbi Zucker holds a Bachelor of Arts degree in Social Sciences from San Jose State University.

While a participant in the Jewish Agency Program in Israel as part of the Institute of Youth Leaders he toured Jerusalem for a period of five months then spent five months on a co-operative farm, a Kibbutz.

A seminary student in Los Angeles, Rabbi Zucker visits China Lake the first and third Friday of each month to conduct services for the Jewish congregation and the Sabbath School on Saturdays at 10 a.m.

Safety Thought — Remember, bad weather may excuse a delay, but never an accident.

The Rocketeer

Official Weekly Publication of the U.S. Naval Ordnance Test Station China Lake, California

Capt. John I. Hardy, USN Station Commander

"J." Bibby Public Information Officer

Jack G. Broward Editorial Advisor

Richard Grueneberg Editor

Budd Gott Associate Editor

Frederick L. Richards Special Assignments

DEADLINES:

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

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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.

Housing Project Assistant, GS-1173-5, Code 1132—Position is Housing Project Assistant in Community Relations Dept. Includes assigning a segment of Station's 3450 housing units and serving as initial contact with tenants living in those units. Incumbent interprets and explains housing policy, eligibility, waiting lists, and various regulations as applied to individual cases, etc. **Required Experience:** Three years progressively responsible experience in administrative, investigative, technical, or other responsible work. FSEE is required. (One year at GS-4 level.)

Auditor, GS-510-13, PD 18504, Code 177—Position is that of an "internal auditor," since incumbent is responsible for the auditing of the Station accounts through the Head of Central Staff to the Station Commander. Incumbent is the highest Station authority with a professional knowledge of auditing. He is Head, Internal Review Division and is responsible for all auditing functions performed by members of his Division. **Required Experience:** Three years general experience equivalent to four years of successful study of accounting and auditing subjects. Plus three years experience in professional accounting or auditing in specialized fields. (One year at GS-12 level.)

Personnel Staffing Specialist, GS-212-9 or 11 (1 vacancy), Code 652—Incumbent will provide assistance to Head Employment Division and Associate, in carrying out their responsibilities in the Staffing Program by conducting studies of many sorts of retirement, pay equity, promotion rates, etc. **Required Experience:** GS-9 and GS-11: Three years general experience in administrative, professional, investigative, technical, or other responsible work. Plus three years for GS-11: Three years for GS-11, experience in progressively responsible personnel work performing duties of personnel management; recruitment, placement, position classification, salary and wage administration, etc. (One year at next lower grade.)

Supervisory Illustrator (Technical Equipment), GS-1020-12, Code 7512—Position is that of Head, Graphic Arts Branch, Publishing Division, T.I.D. As Branch Head, Incumbent is a recognized authority on Station for work in illustrating, composing, and visual aids. Supervises subordinates work in illustrating, composing, and visual aids. Supervises subordinates work in illustrating and type composition for publications of his department and other departments. Has administrative responsibility for Branch. **Required Experience:** Six years experience in illustration, painting, or drawing involved in graphic presentation of objects, fact, etc. Experience should also demonstrate ability to design, layout, and illustrate a wide variety of art work, etc. (One year at GS-11 level.)

Illustrator (Technical Equipment), GS-1020-11, Code 7512—Position is Head of Publication Illustration Section, Graphic Arts Branch. Responsible for plan, design, and execution of scientific and technical illustrations, review artwork of Section and contractor illustrators, etc. **Experience Required:** Same as Supervisory Illustrator (Technical Equipment). (One year at GS-9 level.)

Employee Development Officer, GS-235-12, Code 4541—As Education Director in Employee Development Division of Personnel Department, incumbent plans, organizes, and administers the professional development program and supervises conduct of the administrative development program. **Required Experience:** Three years experience in administrative profession, investigative, technical, or other responsible work, plus three years experience in work providing a knowledge of employee development and training methods and techniques and understanding of the functional relationship of this activity to management, etc.

File for above positions with Janet Thomas, Bldg. 34, Rm. 26, phone 71577.

Warehouseman, \$2.62 to \$2.85 per hour, Code 2591—Receives, checks, stows, counts, issues and assembles supplies of all types in accordance with established supply systems, procedures and methods. **Qualifications:** At least six months' experience in the performance of warehouse duties as described above. Must meet all physical requirements.

Clerk (Stenography) or Clerk (DMT), GS-5, Code 252—Performs secretarial duties for the Procurement Management Division; collects, analyzes and presents statistical and other information as related to contracts; prepares charts and graphs; types reports and related material either from dictated notes or through use of dictating machine. **Qualifications:** One and a half years' experience in general office-clerical duties plus one and a half years' experience in work related to contracts or procurement. Must have included either stenographic duties or experience with dictating machines.

File for above with Pat Dettling, Rm. 28, phone 72218.

Chemist (General), GS-12, PD 13958, Code 5516—Duties of the position include: Analysis of materials for identification or quality control, determination of physical-chemical properties of materials for use in development studies, identification, or quality control, evaluation and development of electrochemical procedures for use in ordnance development or production.

File applications with Dora Childers, Rm. 32, Code 657, Bldg. 34, phone 71393. Deadline for filing is Nov. 27.

'DESERT PHILOSOPHER'

Pop On The Phone

By "POP" LOFINCK



(Pop Lofinck is on leave. He will resume writing his column when he returns. This week's guest columnist is Gene Steck, Rocketeer staff writer, and one of Pop's ardent fans.)

Pop Lofinck is one of those rare personalities who is ageless in spirit. By his own appraisal, he is part desert rat, part desert philosopher; a nature lover and a self-styled "pantheist," who finds the wonders of creation in the sands of the desert and the star-studded heavens above.

To those who are associated with him daily in The Rocketeer office, Pop is also a powerful transmitting station, rivaling the networks with his built-in amplifiers. Especially is this true when he joins forces with the heirs of Alexander Graham Bell, and couples his amplifying system with the telephone.

HE HAS A VOCAL "TRADEMARK"

Who at NOTS has had occasion to call Pop on the telephone and is not familiar with his booming and rather unusual greeting? Pop's style of answering the telephone rivals the British "Hello, are you there?" Pop leaves no doubt about it. He picks up the receiver and jars his listener's tympanum with a resounding:

"Here I am."

When he waxes warm on a subject, the rumbling thunder of his voice gathers momentum and soon all other activity in the office comes to a standstill — until someone takes advantage of a momentary pause and calls out:

"Hey, Pop, turn down your volume!"

Being a meticulous artisan in the composition of his weekly column, Pop's by-word is Research. In order to get the facts for his column, Pop makes scores of telephone calls every week. With the instinct of a born psychologist, he cuts through all the niceties and preliminaries of a telephone greeting and sets up his target for an immediate response to any question.

Pop's ingenious method could serve as an apt lesson to the most experienced reporters. He simply dials the desired number, and the unwary party who lifts the receiver hardly has time for the conventional "Hello," before Pop booms out with:

"Say, YOU know everything . . ."

With that kind of an introduction, what can you do, but defend your reputation by coming up with the best possible answers to any question he may ask.

DEFENSES AGAINST THE ONSLAUGHT

Some of Pop's more frequent telephone adversaries have come up with their own defenses against his onslaughts upon the eardrums.

Pop tells of one caller who suggests: "Put your hand over the transmitter; I can hear you better that way."

In his own defense, Pop says, "The louder I talk, the softer they speak. This makes me think they can't hear me — so I talk even louder." You've got to admit he has SOME logic on his side.

Despite Pop's conscientious efforts to research all the subjects for his column, occasionally there is a slight slip-up. Like his recent reference to China Lakers who have been on the Station since The Beginning. Pop's source of information for his reference was the Personnel Dept., whose records, quite appropriately, listed those employees who came to NOTS in 1944 with Civil Service status. On the list was a mere half-dozen names. The list did not include the name of one Sewell Lofinck.

As Pop so often says, "Modesty is not one of my virtues."

"Say," he roared accusingly into the telephone, "how come my name isn't on that list; I was here in '44."

It turned out that during that first year, Pop was not in Civil Service. This should have served as a tip-off — but Pop was under heavy pressure to get the column out and be off for a strenuous weekend in Death Valley, where the 15th Annual Encampment was about to get under way.

COMES THE DELUGE OF COMPLAINTS

When he returned from Death Valley, his usually indispensable telephone began to ring repeatedly. On the other end were NOTS employees who wanted to know why THEIR names were not on the list.

At last count, there were 32 names on the list of China Lakers still on Station who had been here since 1944.

Pop says he had to take some time off to do some more research, and use up some annual leave while he had the chance.

There are those who say he took off to get away from the jangling telephone and hide from the NOTS pioneers who have been here since you know when.

One rumor even has it that, with the advent of winter weather, he has gone off into the desert to check on the cabin of the late Dr. Schultz — and see if maybe some of his Hollywood patients might not be drifting in still — for a little psychiatric treatment, which Pop feels he could dispense quite capably.

Ain't he the greatest?

BYU Scientist Studies Sound Waves in Rockets

When sound waves come out of a pipe organ, that usually means music. When sound waves come out of a rocket engine, that usually means trouble.

Under NOTS China Lake sponsorship, Dr. M. Duane Horton, assistant professor of chemical engineering at Brigham Young University in Provo, Utah, is conducting a research project aimed at controlling the sound waves generated by solid rocket fuels.

Utah newspapers this week reported on Dr. Horton's work — concurrently with opening of a two-day symposium here at China Lake, on "The Behavior of Propellants Under Acceleration Fields."

Dr. Horton is specializing in a "double-base" fuel, similar to that used in the third stage of a Minute Man rocket.

He calls his work "Preventive Research," because he is trying to find out how much vibration would be caused if the fuel were used in a larger — first stage — engine.

For his experiments he uses simulated engines of his own design — about the size of a soup can. These he powers with "aspirin-size" quantities of fuel.

The solid fuel sound waves — technically called "oscillatory combustion" — were the subject of Dr. Horton's doctoral dissertation. He began the present project when he came to BYU in 1963.

'Know America Week' Observance Set for Nov. 22-28

"Know Your America Week" will be observed Nov. 22-28, by Presidential proclamation. Mayor Bud Hugo also has issued a proclamation calling for observance of the week in Ridgecrest.

The local Elks Lodge has espoused the Know Your America program as a special project.

The program is fostered by the All-American Conference to Combat Communism.



"BE IT EVER SO HUMBLE" is the title of this prize-winning Print-of-the-Month selected by the China Lake Photographic Society. Fred L. Richards captured scene in an underdeveloped section of Los Angeles, using a small reflex camera with 120-Super XX roll film at a speed of 1/100 sec. at f:16.



WINTER'S ARRIVAL THIS WEEK was accompanied by snowstorms that temporarily closed highways and left a mantle of white on near-

by mountain ranges. Happy to welcome Old Man Winter aboard were China Lake youngsters who engaged in snowball fight.

Dr. William LaSor To Speak at AOA Annual Banquet

The China Lake Post, American Ordnance Association, will present Dr. William LaSor, nationally prominent archeologist, military officer and theologian, at the annual banquet to be held December 3, at 7 p.m. at the NOTS Commissioned Officers Mess.

Reservations for the banquet should be made before Nov. 25, by calling AOA program chairman, Capt. Ronald E. Jensen, USAF, at 71403, or by sending a check for \$3.50 per ticket to Room 2063 Michelson Laboratory, Code 163.

Wives of AOA members, and guests, are cordially invited to attend the annual banquet.

At Code 45 Symposium



NOTS PERSONNEL who participated in the symposium on propellants this week included, left to right: E. G. Love, D. R. Randle,

C. W. Abernathy, R. W. Feist and R. B. Dillinger. Nearly 100 military and industrial representatives attended.

(Continued from Page 1)

formance";

William D. Guthrie, Army Missile Command, Redstone Arsenal, Huntsville, Ala., "Some Techniques to Design Rocket Motor to Spinning Environment;" S. J. Hartnett, Picatinny Arsenal, Dover, N.J., "Effects of Spin and End-Burning Solid Double-Base Propellant Grains;" J. W. DeDapper, Redel, Inc., Anaheim, Calif., "Experimental Investigation of the Influences of High Spin Rates (10,000 rpm) Upon the Combustion of N-4 and N-5 Propellants;"

W. J. Lawrence, United Technology Center, Sunnyvale, Calif., "The Effect of Acceleration on Solid Composite Propellant Combustion;" C. Bernard, Lockheed Propulsion Corp. Redlands, Calif., "Spin Effects on Modified 4.5-inch Army Barrage Rocket;"

L. J. Hurt, Rohm & Haas Co., Huntsville, Ala., "One-Dimensional Mathematical Model for the Ignition of Double-Base Solid Propellants;" K. Bischel, NOTS, "Propellant Structural Problems in Spinning Motors;" T. F. Hoekel, Emerson Electric Manufac-

turing Co., St. Louis, Mo., "The Influence of the Spin Environment on the Wasp Booster Performance and Structural Behavior of Case-Bonded Cylindrical Grains Under the Spin Environment."

Social highlight of the meeting was a no-host cocktail party and dinner at the Officers Club Wednesday evening. The group also toured on-Station processing and spin facilities.

Beginners' Square Dance at Flores School Thursday

A beginners' square dance will be held Tuesday, Nov. 24, at 8 p.m. in the Las Flores School.

This Thanksgiving dance is the second in a series of holiday dances planned and called by Chuck Fritchman for beginners while they are attending class.

All square dancers are invited to join in an evening of fun. For further information, call FR 5-4587.

'Future of Deep Submergence' Is Lecture Subject

"The Future of Deep Submergence," a topic of prime interest to many NOTS employees, is the subject of a technical lecture by Andreas B. Rechnitzer, PhD, at 10 a.m. today in Conference Room A of Michelson Lab.

Dr. Rechnitzer, program manager of the Oceanology Inertial Navigation Division of Autonetics, Anaheim, will review past experience with the TRIESTE, current activities in deep submergence, and future plans of the government and commercial enterprises in this field.

The lecture will be illustrated with color slides.

Author or co-author of 27 papers and reports in the field of oceanography, Dr. Rechnitzer is the recipient of the Navy Department Distinguished Civilian Service Award, the Richard Hopper Day Memorial Award, and has been presented with the Gold Medal by the Geographic Society of Chicago. He also holds an award for outstanding contributions to Underwater Photography at the International Underwater Film Festival.

Prior to joining Autonetics in 1961, Dr. Rechnitzer served as Deep Submergence Research Program Coordinator and Physical Oceanographer for the U.S. Navy Electronics Laboratory.

E. W. Price Chairs ICRPG Conference

E. W. Price, Head of the Aero-thermochemistry Group of the Research Department, served as Chairman for the First Annual Interagency Chemical Rocket Propulsion Group (ICRPG) conference on combustion and combustion instability which was held this week at Orlando, Fla. James E. Crump, Dr. M. M. Ibric, H. B. Mathes, and Price, all from the Aerothermochemistry Group, presented papers at this conference.

CPO Wives Ready For 'Shenanigans Nite' Program

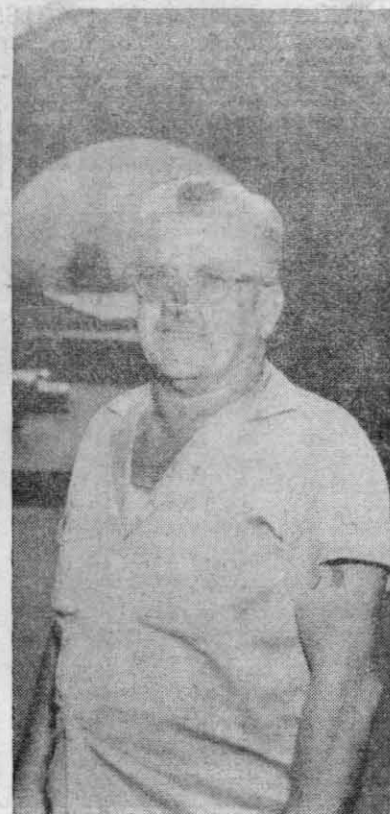
Final plans for "Shenanigans Nite" have been completed by the Chiefs' Wives Club and the program will be presented Monday, Nov. 23, at 7 p.m. in the CPO Club.

Games and entertainment will be featured, and all members of the CPO Club are invited.



WILLIAM D. (BILL) WHITE, Head, Thermodynamics Branch, (l) accepts Notice of Allowability from Dr. J. W. Hoyt, Head, Propulsion Division. Bill and two former NOTS employees, Doris M. (Chin) Tom, and Dr. J. Leslie Jones will share in the Additional Award for their patent on "Fluidized Metal Fuel Composition." Bill, a Supervisory Chemical Engineer, has been with NOTS for 16 years and has been the recipient of two other patent awards. He is doing research and development on torpedo propellants and propulsion systems.

Retirement for Elwood P. Waltz



ELWOOD P. WALTZ

Alley Kats Fight To Stay on Top

By Ray Hanson

While the Quiet Five, Side Winders, El Toros, White Tornadoes, and Infirmities all readied their slingshots for the hunt, the harried Alley Kats managed to hold a 2.5 game lead in the NOTS Wednesday night bowling league going into the eighth week of play. The Kats have won 22.5 and lost 9.5, as contrasted with the Quiet Five's record of 20 and 12 for a second place. The rest of the first-division clubs are bunched impatiently behind.

High team series for the week went to the White Tornadoes (Irene and Bill White, Sue and Bob Marimon, and John Pernicka) with a 3036. The Side Winders grabbed high team game with a 1069. Jack Sayre had the men's high series, a 659, while John Pernicka had men's high game with a 270. Women's high series honors went to Cindy Lammens with a 635. Jan Cardwell's 230 was women's high game.

ESO Doings

By Wes Fisher

The first meeting of the Christmas choir took place last Tuesday. J. H. Jennison, committee chairman again this year, told the history of the NOTS Christmas Choir to new members. Schedule for the choir rehearsals will appear later.

The next meeting of the ESO Council will be held today, at 1 p.m. in the 5C9 Conference Room. Persons wishing to conduct business with the council are requested to be punctual so that the new business may proceed without delay.

PROMOTIONAL OPPORTUNITIES

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

Clerk, GS-4, PD: 1P25004, Code P2581 — Incumbent will

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638

Younce to Teach Church Doctrine

Geary Younce, much honored young professional at NOTS Pasadena, left last Friday on a 2½ year missionary assignment to Belgium. He will teach church doctrine for the Church of Jesus Christ of Latter-day Saints.

Presently an Elder in Higher Priesthood, Geary has met all qualifications of the Mormon Church to fulfill his mission.

Originally from Vancouver, Wash., and Hillsboro, Ore., Geary came to NOTS in 1962 after receiving his degree in Electronic Engineering from CalTech, which he attended on a National Merit Scholarship.

In July, 1963, Geary was selected for one-year graduate training under the BuWeps Graduate Study Program, thereby earning his Master's degree at CalTech. At that time he was 22 years old, and probably one of the youngest NOTS employees to receive that honor, also possibly the youngest from all BUWeps installations.

Currently an electronic engineer in the Electronics Branch of the Systems Operations Division, UOD, Geary has assisted in recruiting trips for science and engineering employees while at NOTS.



GEARY YOUNCE



AGAINST a background of many of his feathered friends, Art Block is shown holding one of his champion racers.

His Hobby Is 'For the Birds'

By Ralph Robey

Art Block, Head of the Photographic Section, P80963, has his homing pigeons in training for the forthcoming racing season. Block, who at present has "only 35" birds, is planning to enlarge his brood. He took up the sport in 1939 and has bred and raised many champions for the trade ever since.

The bird shown with Block has flown three times from Redding, Calif., a distance of 518 miles. In one competition from Klamath Falls, Ore., the bird flew 618 miles in 15 hours and also has won over \$200 in prizes.

In the Block loft is one pigeon which is over 8 years old, and has flown over 15,000 miles.

During the past 12 years, some 30 pigeons have been "rescued" by NOTS personnel at San Clemente Island and Morris Dam.

They were either exhausted or blown off course. In each case Block notified owners of the recovery of their birds and some have driven as far as 135 miles from San Diego to retrieve them.

Sport Started in 1710

Pigeon history dates back to early Biblical days. Racing pigeons started about 1710 in Belgium, where today over 1,800,000 fanciers (approximately 20 per cent of the total population) indulge in the national sport.

During WWII carrier pigeons were carried on board most all of the bombing missions by the RAF as military message carriers. In the United States there are over 20,000 fanciers who keep lofts, and over 900 racing clubs. The racing season usually runs from June through August on each weekend.

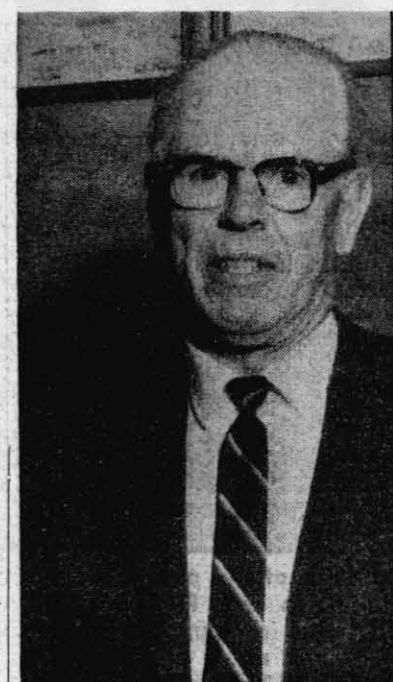
Races vary from 100 to 1000 miles. Average speed of the birds is 60 miles per hour, and a well-conditioned bird will fly up to 600 miles in one day.

Art's birds have won 20 first-place trophies, 22 second-place, and 18 third-place awards, and more than 200 prize diplomas.

Raising racing pigeons is not a lazy man's sport, as it requires many hours of training, patience, and diligence — plus daily house cleaning. Art says it is a rewarding hobby, as shown by his many trophies and diplomas. At any rate, this pastime really is "For the Birds."

One day I went to a doctor and complained that I was losing my memory.

The doctor told me not to worry and just forget all about it.



JOHN DAVIES

John Davies Rewarded

The Industrial Process Branch, Code P5514, recently rewarded John Davies, Industrial Specialist, with a Quality Salary Increase for repeatedly dedicating his time and effort far beyond the requirements of his position during the past two years.

With NOTS for 16 years, he previously received a Superior Accomplishment Award.

Born in Scotland, he has for 35 years been a resident of Pasadena where he and his wife, Septa Ann, presently reside.

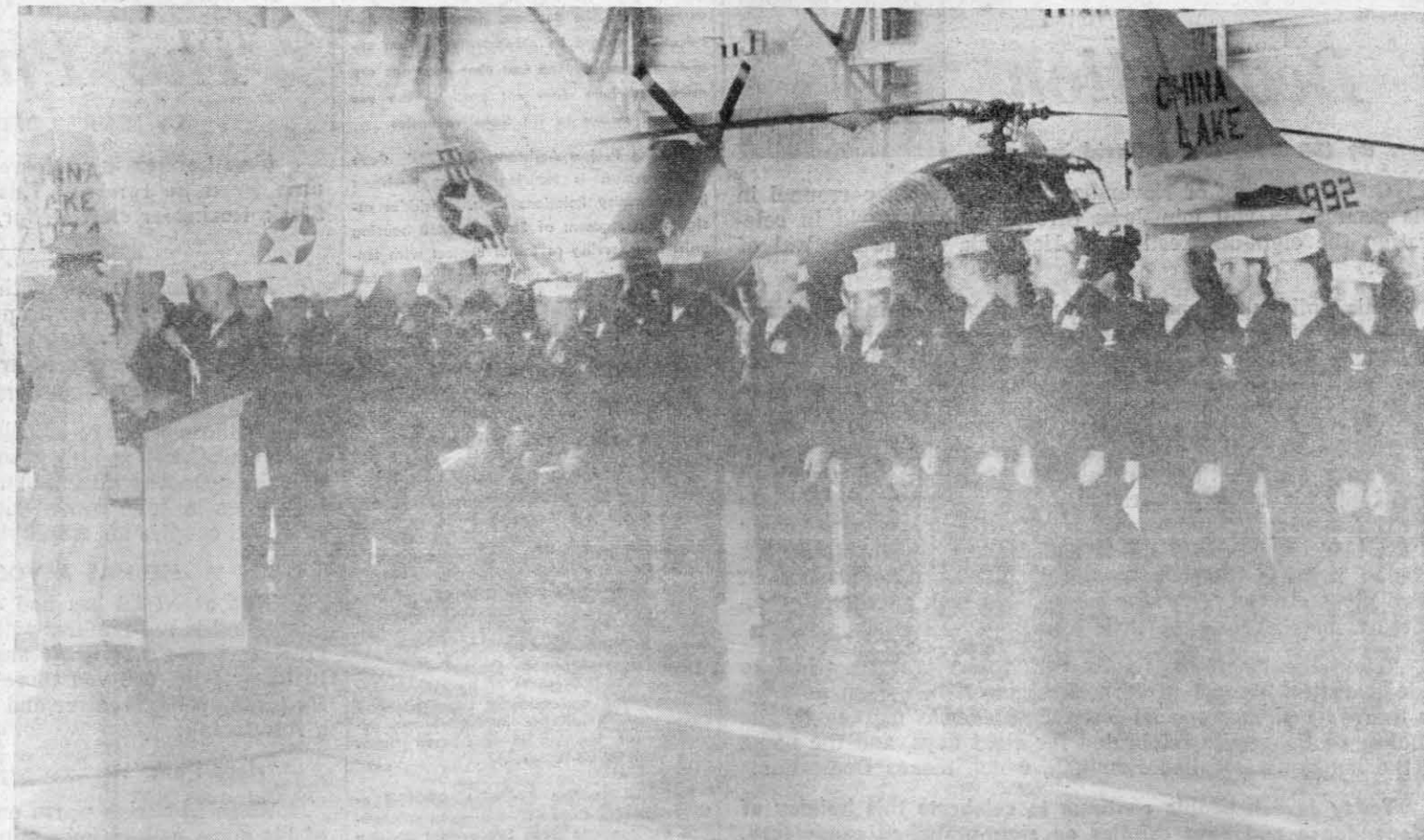
VietNam, Lebanon Medals Presented To 14 EM

Fourteen local enlisted personnel whose Navy service includes participation in support actions in Viet Nam and Lebanon were awarded Armed Forces Expeditionary Medals last Friday morning during special ceremonies held at the Naval Air Facility.

Captain Robert R. Yount, CO, awarded medals to Clinton J. Jones, ADR2, attached to Patrol Squadron 21, and Robert T. Weston, AE1, serving in the USS Saratoga, for their participation in the Lebanon crisis in 1958.

Expeditionary Medals for service in support of Viet Nam actions were awarded to: Robert J. Burdick, FTM2; Clarence C. Christy, ADJ2; Jimmy R. Connelly, ABF2; Lloyd S. Corbett, AG2; Fred Dalpiaz, ADJCA; Harold L. Dauer, AOC; Delma D. Harper, ABF2; Keith A. Kline, ABE2; Ronald L. Reed, RD3; Porter M. Savage, Jr.; William R. Smith; Floyd W. Yingsi, AK1.

The Viet Nam medals were presented for service in the aircraft carriers USS Midway, Hancock, Coral Sea and Bennington, which were part of the Navy support force.



EXPEDITIONARY MEDALS were awarded 14 local enlisted personnel at the Naval Air Facility last Friday morning by

Capt. Robert R. Yount, CO. Men had served in aircraft carriers and a patrol squadron in Lebanon and Viet Nam.

Charles Nardone Leaving, To Join NEL, San Diego



CLAY MODEL for plaque of late President Kennedy is last project at NOTS for Charles Nardone, who will leave soon for new assignment in San Diego. Inspecting work is Lynn Nowels, named acting head of Graphic Arts Branch, TID.

Charles Nardone of TID has announced his impending departure from NOTS China Lake at the end of this month, and Lynn Nowels has been named acting head of the Graphic Arts Branch.

Nardone, best known for his design of the commemorative Kennedy Medallion — following the late President's visit to NOTS — is currently working on another likeness of President Kennedy to be cast as a memorial plaque.

Nardone's new assignment will be in San Diego, where he will join the Technical Information Center at the Naval Electronics Laboratory as a senior

illustrator-specialist. He came to NOTS in September, 1955, and has been Graphic Arts Branch Head for the past seven years.

Mrs. Nowels has been at China Lake 13 years. She received her schooling in Bakersfield, and studied art in Los Angeles and Fresno. She formerly was an art teacher at Burroughs High School.

Home for '65-'66 Foreign Student Sought Locally

Families willing to host a foreign student in their homes during the 1965-66 school year are invited to file applications with the American Field Service Committee of China Lake and Ridgecrest.

This program, sponsoring a year of study in the local community by a high school student from abroad, has been in successful operation for the past ten years.

Bringing a foreign student into the family and school life of China Lake and Ridgecrest is a unique experience for the student, the host family and the community, and produces lasting effects in better international understanding, sponsors said.

General requirements for host families are: That neither parent be under 37; both parents must have been born in this country, and preferably that they be parents of children near the age of the foreign student — usually a high school junior. The guest student should have his own bed, and if possible, his own room.

Host families will be required to provide board and lodging. Spending money, school expenses, medical care, etc., will be provided by the local committee.

For further information, call F. C. Wentink, FR 5-4315, or Mrs. Mary Highberg, NOTS 723912.

Symposium ...

(Continued from Page 1)

the first of its kind ever held at China Lake.

Purpose of the symposium, according to Capt. Honsik, is to provide the opportunity for exchange of information within the profession and to help broaden working relations and understanding between physicians and surgeons in the southern California area.

Those attending represent Kern and San Bernardino County medical societies and the Desert Medical Society, in addition to Air Force, Army and Navy installations.

Studies Pay Off For 56 at NAF



STATION'S NEWEST CPOs, J. E. Ivory (left) and W. G. Foote, now hold Aviation Ordnance Chief ratings following promotion this week of 56-man NAF increment.

Part-time studies paid off this week for 56 enlisted men at the Naval Air Facility who were advanced last Monday to their next higher pay grades.

Noting that this group reflected a 14 percent rise in promotions over the last exam period, Lieutenant (jg) Stewart Mann said the rise is "at least partly due to our Education and Training Programs."

Promoted to new rates were: L. F. Annett, AQF3; G. J. Ayres, AQF2; J. D. Booth, ADJ2; P. J. Busch, ABH3; D. C. Carmichael, RM3; J. R. Carlson, AQF2; W. D. Chandler, ADJ3; G. J. Collins, PR3; R. A. Duncan, AME3; W. G. Foote, AOCA.

G. E. Hawes, ADJ3; C. Hendrickson, RM2; S. E. Hough, ADJ3; J. S. Hudack, ETN3; J. E. Ivory, AOCA; R. J. Jefferson, PR3; G. W. Johnson, AE3; T. H. Kelleher, ADJ3; R. R. Kline, AME1; D. A. Lee, ADJ3; M. J. Louk, AME2; G. P. Malvasio, AME3; C. E. Markin, ADJ3; J. E. Martin, AME2; E. M. McCullum, AQB3.

G. F. McDowell, AE3; J. E. Michele, AMS3; C. J. Mikkola, AQB3; E. L. Molsbee, AG3; M. L. Morrell, AQ1; C. D. Mosses, ADJ2; J. D. Neal, ABH3; R. B. Noel, AO3; A. W. OBarr, AZ3;

United Fund ...

(Continued from Page 2)

progress to date, the chairmen both expressed their confidence in reaching this year's assigned goal.

"The community has already exhibited its charitable personality. I think each of us, as we observe Thanksgiving Day next week, will find real meaning behind the gesture of giving we make in this year's United Fund campaign."



IN MEMORIAM — One year ago this Sunday, Nov. 22, President John Fitzgerald Kennedy was assassinated.

Editorial

Messages of Past Tell Thanksgiving Heritage

In early November 1963, Thanksgiving Day was officially proclaimed by a man who did not live to offer his thanks on that traditional day of expression.

The late President John Fitzgerald Kennedy, in his proclamation, reached back into the wisdom of Presidents George Washington and Abraham Lincoln to inspire national observance of the holiday.

He recalled that it was President Washington who proclaimed Nov. 26, 1789, as "a day of public thanksgiving and prayer to be observed by acknowledging with grateful hearts the many signal favors of Almighty God," calling upon the people of the new republic to "beseech Him to pardon our national and other transgressions."

"And so too, in the midst of America's tragic civil war, President Lincoln proclaimed the last Thursday of November 1863 as a day to renew our gratitude for America's fruitful fields, for our national strength and vigor and for all our singular deliverances and blessings," the late President said.

President Kennedy, in his last Thanksgiving Day message, noted that "we are a nation of nearly 200 million souls . . . enjoying the fruits of an ever-increasing agriculture and industry and achieving standards of living unknown in previous history.

"Today we give our thanks," President Kennedy continued, for the ideals of honor and faith we inherit from our forefathers — for the decency of purpose, steadfastness of resolve and strength of will, for the courage and humility which they possessed and which we seek every day to emulate."

Six days before President Kennedy and his family would have joined their nation in Thanksgiving for those ideals, he was struck down by an assassin's bullet. His family, the nation and the world mourned on that last Thursday in November 1963, but they still gave thanks.

They gave thanks — while sorrowing — with President Kennedy's words echoing in their minds and hearts: "As we express our gratitude, we must never forget that the highest appreciation is not to utter words but to live by them." (AFPS)

Church Services

Thanksgiving Sunday, Nov. 22, preludes the happy season for the Station with appropriate services at the All-Faith Chapel.

Sunday Catholic Masses will follow the schedule of 7 a.m., 9:30 a.m. and 5:30 p.m. Protestant Divine Services will center around the administration of Thanksgiving Holy Communion rites at 8:30 and 11 a.m.

Jewish Sabbath Services will be held this evening at 8 p.m., concentrating on the age-old ceremony of prayer, petition and praise for His gracious benefits.

Ridgecrest churches which will hold Thanksgiving Day services are Our Savior's Lutheran, St. Michael's Episcopal and Grace Lutheran churches.

The Protestant All-Faith Chapel congregation is encouraged to participate in these Ridgecrest religious worship services.

Turkey Menu Due Thursday

(Continued from Page 1) serving time.

600 Servings
In all, some 600 individual servings are to be prepared, centered around entrees of turkey and ham.

Here's a volume check of menu items going into the huge feast: 75 pounds of shrimp, 445 pounds of turkey, 224 pounds of ham, 30 pounds of white potatoes, 100 pounds of sweet potatoes, 40 pounds of buttered peas, 80 pounds of buttered corn, 2 cases of olives, 18 assorted salads, 80 dozen Parker House rolls, 70 pumpkin pies, 96 pounds of fruit cake, 100 pounds of mixed nuts, and 50 pounds of candy.

There'll be an ocean of coffee and milk available to wash all this down.

Chief Tanguay said the mess hall will be decorated in keeping with the traditional Thanksgiving theme.



100 PERCENT report was given this week by Research Department's Dr. Gilbert J. Plain (right) and United Fund department coordinator, Edith E. Fallis, to Co-Chairman L. S. Licwinko. Department's 138 personnel contributed more than \$1400 to join top contributors on a per capita basis.

United Fund Drive Hits \$18,000 - More Pledge Cards Due

The Station's annual United Fund campaign reached "mop-up" stages this week with \$18,000 counted and a trickle of pledge cards still due from departments not yet completing their solicitations.

Co-chairmen L. S. Licwinko and Chaplain Robert W. Odell expressed keen hopes that the drive ending next week would top \$20,000.

"This would reaffirm for all that our China Lake community can't be topped when it comes to collective efforts," voiced Licwinko.

A military payday on Thursday gave solicitors their final opportunity to achieve a "100 percent participation" goal that had been initially established as the drive began.

The fund chairmen remind keymen and drive coordinators to emphasize the "pledge" aspects involved in donations, adding that payments would not be due until next year.

Licwinko paid special tribute earlier in the week to Dr. Gilbert J. Plain, acting head of Research Department, and the unit's 138 personnel who had come up with more than \$1400 in donations.

"Earlier in our drive, I spoke often of the leadership the campaign would need from our top personnel. Dr. Plain amply demonstrated this vitally important aspect throughout the drive.

"And, his efforts and interests were matched by Research Department's coordinator, Edith E. Fallis. I think she exemplified the role played by departmental coordinators in the degree of success we achieve in the 1964 campaign."

The final stanza in this year's campaign includes collection of donations from numerous community organizations who have expressed interest in making "collective contributions."

Commenting on the drive's progress, Licwinko said: "We are pleased to report that the campaign is well advanced and we expect to reach our goal of \$20,000 by the end of the drive."



RIBBON SNIPPING by Capt. Robert R. Yount, CO, NAF, officially reopened newly decorated mess hall used by personnel on duty at Armitage Field. (From left) Chief Earl A. Tan-

guay; Capt. B. L. McCreery, Supply Officer; Capt. Yount; Lieutenant James D. Conway, Commissary Officer; and LCdr. George W. Myer, VX-5, joined in ceremony Wednesday.

Pop Warner Turkey Bowl Games Are On Tomorrow

Win or lose, you win, if you attend the Third Annual Turkey Bowl games of the Pop Warner League tomorrow at Burroughs High football field. The double-header starts at 1 p.m.

Even if you don't win the turkey raffle (and it just so happens that you can still buy your tickets at 50 cents each from the energetic players, coaches and officials of the league), you have a great time watching the youngsters go all-out in the grid contests.

The two B teams — sixth and seventh graders under 110 pounds—square off at 1 o'clock. The A teams, seventh and eighth graders over 100 pounds, will take to the gridiron when the first game is completed.

The B squads play eight-minute quarters, excluding time-outs, on an 80-yard field, and the A teams go 12-minute quarters on a regulation 100-yard field.

The purpose of all this is to raise funds to replenish equipment for next year's teams.

The B team coaches are Bob Stewart, Dennis Smith, Tom Galyon and Bill Prasolowicz. A team coaches are Bill Devjar, Dick McKrun, Skip Polino, Bill Johnson and Frank Robinson.

By the way, if you think these youngsters don't know what they're doing out there, hark back to Nov. 6 when the local A team walloped Trona Junior Varsity by a score of 21-6!

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
Monday through Friday 11:30 a.m.

Lunch Hour Swimming
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.
Saturdays 1 p.m.-6 p.m.
Sunday and Holidays 1 p.m.-6 p.m.

Sneakers Sneak into Navy - All Enlisted 'Must Have' by Nov. 30

Anyone for tennis?

The Chief of Naval Personnel has ordered all enlisted men — first class and below — to have a pair of gym shoes in their possession by Nov. 30.

The personnel chief points out that there is a definite need for the shoes on some jobs, in sports and during physical fitness tests.

Most men already have them, since they've been issued at boot camp for some time. Those who haven't may obtain them at Navy clothing stores for \$1.70 a pair, he said.

BOWLING NEWS

By Dick Zinke

865 Scratch

Some good 200 games were bowled a week ago Monday, but Bob Kochman rolled a grand 233 to take high game. Gordon Zurn, Jr. put three together for a higher series of 577. Joshua Trailer Sales led the other teams with a high series of 2684, but the high game was again bowled by Eliopolis Motors, 948.

Women's Scratch

After 10 weeks of bowling there are still five teams tied for first place with the last place team only three games out. Mary Jane Clark dominated individual honors for the night by rolling a fine 224 game and amassed a series of 524. The Tigerettes took team game by shooting a 674, but the Unbelievables captured the series with an 1853.

Women's Handicap

Jean Chaddock led the Douglas Flies team to win high game of 937 and series of 2682 with some clutch bowling and rolled a big 531 high series. Mary Jane Clark was in there again to bowl another 200 game (her third in this league for the season) this one was 211. Would like to mention the gals who rolled out some good scratch series over 500 the same night: Mary Jane Clark, 529; Bettie Hardy, 523; Jeanne Krausman, 529; Frances Sims, 507.

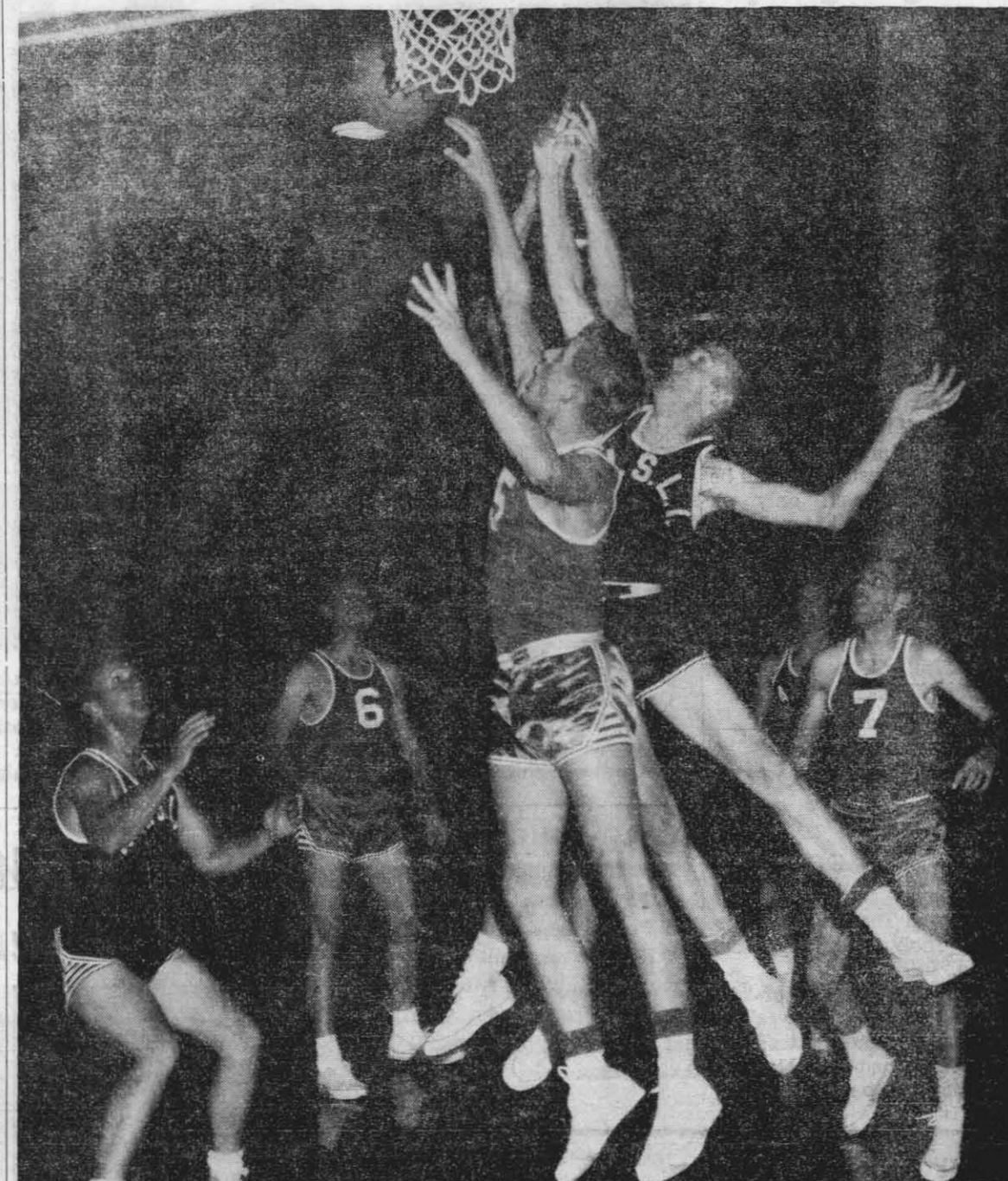
Turkey Shoot Winners

A great time was had by all who participated in the Scotch Doubles Turkey Shoot last Sunday. In this tournament, the women rolled the first ball every frame in the first and third games and the men rolled the first ball each frame in the second and fourth game, leaving the partner to pick up only the spares. Out of 29 entries six turkeys were awarded to the following winners: First Place Billye Robison and Bob Lawlor bowling a high game of 245 (scratch and a 1008 handicap series); Second Mary and Rudy Zagala, 961; Third Patty and Bill King, 946; Fourth Dorothy Rambo and Del Prescott 942; Fifth Eva and Bob Grose, 942; and Sixth Vivian and Fred Dalpias, 930 who also rolled a high game of 236.

Tanks Test Static Pressure

Portsmouth Naval Shipyard has put into operation a bank of three high pressure test tanks for conducting hydrostatic pressure tests in excess of 15,000 psi.

VX-5 Takes Lead In Basketball Tourney



ACTION in Tuesday's game between VX-5 and Aero Science teams.

Weather Dampens Nimrod Spirits

Hunting weather wasn't the best last Saturday and Sunday for the first of three weekends that NOTS' north range was opened to nimrods.

The check-in stations reported that 158 hunters entered the range, and checked out with 74 game quail, 39 mountain quail, 19 chukar, 28 cottontail rabbits, and 27 jacks.

The range will be open again to hunters on the weekend of Nov. 28-29.



LEGGY LANE—Singer Abbe Lane listens to a vintage record played in tropical setting between takes for TV show.

SPORTS QUIZ

1. What is the greatest height cleared above the jumper's head in the high jump?
2. In what year was professional tennis established and who is credited with establishing it?
3. What is the world's record for the 100-yard 3-legged race?
4. In what year was the Pancake Race first run and who holds the record for that 415-yard race?
5. What was the duration of the longest tug o'war on record?

Answers to Quiz

1. Valeriy Brumel (U.S.S.R.) the mark in 1889.
2. Two British Army Regiments set was 2 hours and 41 minutes.
3. The longest recorded pull of 68 seconds, set Mar. 5, 1957.
4. The Pancake Race was first mentioned in 1445. Miss Sandra set in New York in 1909.
5. The record for the 3-legged race of 100 yards is 11 seconds.
3. The record for the 3-legged race of 100 yards is 11 seconds.
1. T. Tilden and Ellsworth Vines are given credit for establishing the sport.
2. Professional tennis is said to have begun in 1934. William has twice jumped 15 3/4 inches above his own height.

Cage Standings

(As of Nov. 17)

VX-5	2	0
Prop. Dev.	2	1
NAF	1	1
Aero Science	1	2
NOTS	0	2

Propulsion Dev. Second in Early Cage Standings

Air Development Squadron Five took the lead last Tuesday in the Station Intramural Basketball tournament with a record of two wins and no losses so far.

In second place is Propulsion Development with a 2-1 record, followed by NAF, 1-1; Aero Science, 1-2, and NOTS, 0-2.

Since Nov. 10 when the season began, VX-5 has defeated Propulsion Development, 43 to 41, and Aero Science, 49 to 48. Last night they were scheduled to play NAF, but scores were too late for press time.

In their opener, Propulsion Development downed Aero Science, 71-61, lost to VX-5 on Nov. 12, and defeated NAF, 64-53, last Tuesday. Prop. Dev. tangled with NOTS last night.

NAF won its opener against NOTS on Nov. 10, 43 to 41, but lost to Prop. Dev. last Tuesday, Aero Science's one victory was over NOTS, 53-50 on Nov. 12, but they lost to Prop. Dev. and VX-5. NOTS dropped two to NAF and Aero Science.

Bill Taggart and Jerry Schwarting have been the high-scorers for the VX-5 team so far. Doug Kinney, Ed Murrell and Bill Ball have been hoping it up for Propulsion Development, and NAF's Howard Kelley has a sharp eye, too. Ted Lane has been hitting the target for Aero Science while Willie Wilson and Frank Bonislowski have scored well for NOTS.