



INK SPOTS COMING—The Ink Spots musical team, 27-year veterans of a highly successful career in show business, will play at the CPO Club Friday, November 26, and provide their distinctive dancing music between 9 p.m. and 1 a.m. The group started

their rise in the public eye in 1938 with the song "If I Didn't Care," and have played every military installation in the country during their tours of the last 20 years. An hour floor show is set at the CPO Club during the evening.

STATION LIBRARY LISTS NEW BOOKS

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

Fiction
Braddon—The Year of the Angry Rabbit.
Boll—The Clown.
Farrell—Cross-Fire.
Household—Olura.
Kesev—One Flew Over the Cuckoo's Nest.

Non-Fiction

Catton—Never Call Retreat.
Cronin—Louis XIV.
Galante—The Berlin Wall.
Godolphin—Great Classical Myths.
Hoehling—The Great War at Sea.
Joan Baez—Songbook.

SHOWBOAT

FRI. NOV. 19

"THE THIRD DAY" (119 Min.)
George Peppard, Elizabeth Ashley
7 p.m.
(Mystery/Drama in color) Car wreck amnesia victim has to become reacquainted with his wife, save a foundering business and clear himself of a murder charge in this unusual drama. Slow starting but with a slam-bang finish! (Adult).

SAT. NOV. 20

"MATINEE—"TARZAN'S HIDDEN JUNGLE" (73 Min.)
Gordon Scott
1 p.m.
SHORT: "How To Play Baseball" (7 Min.)
"King of the Rocket Men Chapter No. 12"

"OPERATION C. I. A." (89 Min.)
Burt Reynolds, Kieu Chinh, Danielle Aubry
7 p.m.
(Adventure) From Hong Kong to Saigon the C.I.A. man attempts to solve the murder of a former agent and prevent an attempt on the life of the American Ambassador by the Viet Cong. Far East intrigue. Thrills galore. (Adults and mature youth).

SUN. NOV. 21

"BILLIE" (87 Min.)
Patty Duke, Jim Backus, Jane Greer
7 p.m.
(Comedy-Music in color) The mirthful dilemma of a preey interbetweenager who is such a great athlete she's put on the BOY'S track squad (this makes Dad happy because he always wanted a son). But she trips him up when she discovers she's also a G-I-R-L! And Patty's got the "beat" in a song or two. (Adults, youth and children).

SHORT: "Pickled Pink" (7 Min.)
"Breaking the Language Barrier" (10 Min.)

MON. NOV. 22

MARIONETTE SHOW—3:30 p.m.
SPONSORED BY AAUW
"BILLIE" (87 Min.)
Patty Duke, Jim Backus, Jane Greer
Repeat Performance
7 p.m.

TUES.-WED. NOV. 23-24

"SHENANDOAH" (104 Min.)
James Stewart, Doug McClure, Patrick Wayne
7 p.m.
(Drama in color) The neutrality of a widowed Virginia farmer suddenly explodes for a rebel and imprisoned. Big Jim and his clan set out to find him and fight a war of their own in an effort to keep the family intact. Stewart's tremendous performance is a sight to see! (Adults youth and children).

SHORT: "What's Peckin'" (7 Min.)

THURS.-FRI. NOV. 25-26

"VON RYAN'S EXPRESS" (117 Min.)
Frank Sinatra, Trevor Howard
7 p.m. Thursday,
8 and 8:15 p.m. Friday

(War/Drama in color) Prisoners-of-war gamble their lives on the plan of an Air Force Colonel to hijack a train and escape to allied Italy in this thrill-a-minute action special. Cunning adventure filmed abroad and Frank at his best. (Adults and youth).

Your Dental Health

By DR. JOSEPH G. CHUDZINSKI, Dental Officer

Fluoridation has been called safe and effective by the nation's leading health agencies. Yet many communities have failed to adopt the measure. Why?

Peter C. Goulding, Director of Public Information for the American Dental Association, said recently:

"Fluoridation loses at the ballot box because of two reasons. First, if you scream the word 'poison' loud enough and long enough, you will finally plant a doubt in the voting public's mind. Second, no one has ever died of dental decay."

"When voters are in doubt, and it is not a life and death matter, they will vote on the side of caution. They will forget the fact that there are 250,000 physicians and 100,000 dentists in this nation who support fluoridation."

Goulding said that the main opposition to fluoridation has come from some religious groups, health food faddists, certain medical practitioners and political extremists groups.

He emphasized that some of the opponents of the measure are quite sincere in their opposition and that "not all of the opponents are food faddists or in the ultra-right political wing—but most of them are."

Some have gone so far as to charge that fluoridation is a communist plot to poison the water supply.

Robert F. Kennedy, when

serving as Attorney General, commented:

"Such charges not only ignore the facts and respected medical opinion, but they do great harm. Such irrational and emotional protests poison people's minds against the facts and against an important safeguard to public health."

Some charge that not enough is known of the safety of fluoridation, but Dr. Albert Sabin, discover of the Sabin polio vaccine, comments:

"In some parts of the United States, people have been drinking water which naturally contains one to two parts of fluoride per million all their lives without any harmful effect, but with definite evidence of decreased prevalence of dental caries (decay)."

Some charge that it is socialized medicine, yet the American Dental Association and the American Medical Association strongly support it.

Joining in this support are the American Association for the Advancement of Science, the American Federation of Labor, the American Academy of Pediatrics, and such men as former President Eisenhower, the late President Kennedy, and the scientific community throughout the nation.

In spite of such support, there are 18,000 communities which have failed to fluoridate, and 40 million American children are denied the benefits of this proven public health measure.

Retirees Annuity Deadline Extended Until December 30

The deadline for federal employees to retire and receive a 6.1 percent increase in their retirement annuities has been extended until Dec. 30.

The President's action extends from Nov. 30 to Dec. 30 the deadline for qualifying for the 6.1 percent retirement increase carried in a bill signed into law in September. Actually federal employees whose retirements are effective before the end of the year will receive an 8.1 percent boost in their retirement pay—6.1 percent under the annuity bill enacted this year and 2 percent under a law enacted in 1962.

The deadline extension for the annuity hike was sought by the Post Office Department, which feared that under the old deadline many experienced employees would retire by Nov. 30 and the handling of the Christmas mail rush would be adversely affected.

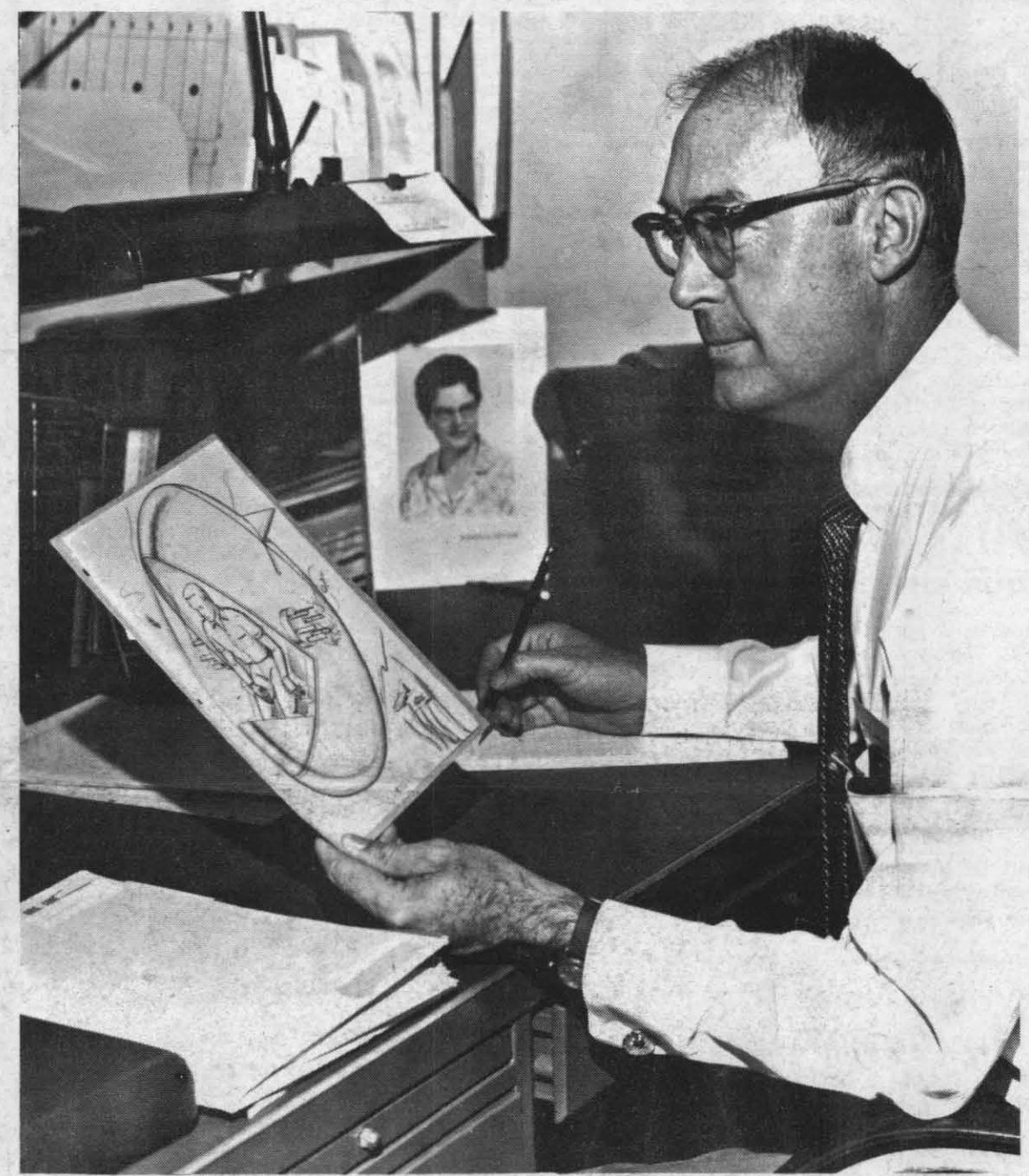
Employees who wait until December to retire not only will receive the annuity hike, but they also probably will fare better on their income taxes.

Employees who retire in November will receive their lump-sum payment for unused annual leave in December, thus making it taxable as income for this year. Employees who retire in December will receive their payment in January, making it part of their 1966 earnings.

Cycloidal Prop Drives, Guides Miniature Sub



Vol. XX, No. 46 Naval Ordnance Test Station, China Lake, California Fri., Nov. 19, 1965



PERFORMANCE EMERGES on paper, as inventor Leonard Seeley of Code 40's Astrometrics Div. calculates maneuvering characteristics of his miniature submarine with its whirling "cycloidal propeller." Wife, Nancy, is mathematician at Code 406.

Leonard Seeley's Bean-Shaped Sub Performs in Pool

In the form of a one-quarter size remote controlled model, the two-man submarine performed in the Station swimming pool on Wednesday, Oct. 6, under the eyes of Captain John I. Hardy, ComNOTS, Dr. W. B. McLean, Technical Director; Frank Knemeyer, Assistant Technical Director for Development (Weapons Systems); Dr. Gilbert Plain, Assoc. Head of Research Department and Dr. Pierre St. Amand, Head of Earth and Planetary Sciences Division.

This miniature submarine is the invention of Leonard Seeley, hydrodynamicist with Astrometrics Division of Weapons Development Department. The two principles he combined in it are its bean-pod shape (oblate spheroid) and its propeller-control mechanism—the cycloidal propeller.

Why NOTS Is Interested

Not the model submarine itself, nor even its arresting configuration, but its extraordinary propeller held most of the interest that drew the group of spectators to the Station Pool demonstration.

"We at Astrometrics Division are very much interested in Leonard Seeley's work with the cycloidal propeller," says Don Moore, division head. "It's a unique and highly useful device which we hope to use in a full-scale submersible under development in the Department sometime during this fiscal year."

Frank Knemeyer, department head, adds his interest in the device. "It could have important applications in submersibles eventually," he comments.

(Continued on Page 4)

CROSSWORD PUZZLE

Crossword puzzle grid with clues for Across and Down words.

Distr. by United Feature Syndicate, Inc.

Form for placing a stamp, with fields for 'From' and 'TO'.

Most Facilities Will Close Doors On Thanksgiving

All Navy Exchange facilities will be closed on Thanksgiving Day, Thursday, November 25, with the exception of the Snack Bars. Other facilities which will be closed are the Commissary Store, the Station Restaurant, the Station Library, and the Bank of America. The China Lake Bowl will be open on Thanksgiving Day from 1 p.m. to 11 p.m.

Public Works Wins Safety Award



SAFETY CHAMPS — Capt. John I. Hardy, ComNOTS, presents National Safety Contest Award to (l-r) Tom W. Boyd, Public Works Transportation Div. head, and Walt Wilson, head of its Operations Br., as Capt. H. J. Hartman, Public Works Officer, seconds his congratulations. The contest, for fiscal 1965, sponsored by Greater Los Angeles Chapter of Nat'l Safety Council, drew 600 entrants. Operations Br. of Public Works drove 621,000 miles with 65 automobiles and had only two accidents, for a first place in category of federal government activities with fleets operating between 50,000 and 100,000 miles per month. Operations Br. accident rate was 3.22 per million miles.



- NOTS ENLISTED PERSONNEL MESS
Shrimp Cocktail, Turkey Rice Soup, Baked Ham Virginia Style, Cranberry Sauce, Corn Bread Dressing, Candied Sweet Potatoes, Buttered Peas, Buttered Corn, Individual Salads, Salad Bar, Coffee, Tea, Milk, Assorted Breads, Ice Cream, Pumpkin Pie, Whipped Cream, Mincemeat Pie, Fruit Cake.

CHAPLAIN'S MESSAGE

Thanksgiving

By CHAPLAIN MARK E. FITE



Have you ever thought about what your life would be if you got everything you needed? I assume if I did, I would soon be as miserable as those in the fairy tales who have their wishes granted by a good fairy.

An old hermit planted an olive tree near his cave. He thought it needed rain, so he prayed for rain. He thought it needed sun so he prayed for sun. When it was too hot he prayed for frost. The frost being too cold he prayed for a warm southerly wind. The wind was too hot and the tree withered and died.

He made a visit to his hermit friend who also had an olive tree and inquired what he did to cause his tree to thrive. "Oh, I just prayed for God to care for my tree. I thought he knew better than I what it needed."

This is the point. How thankful we can be that God cares for things that if left up to us, we'd really get all fouled up.

Life can seem quite futile if we don't find a proper balance in what really has meaning. I'm glad that an all-wise Providence is always concerned with all his people. But each person can have something to do with his own blessings and his attitude about them.

I commend the example of the Wise man as he gives his advice: "Two things I ask of thee; deny them not—remove far from me false-hood and lying; give me neither poverty nor riches, feed me with the food that is needful for me, lest I be full and deny thee, and say, 'Who is the Lord?' or lest I be poor and steal, and profane the name of my God." (Prov. 30:7-9).

The Station All Faith Chapel will observe Thanksgiving week beginning Sunday, Nov. 21, with appropriate day and evening Protestant, Catholic, and Jewish services throughout the week.

Sunday Catholic Masses will follow the schedule of 7 a.m. and 9:30 a.m. and Thanksgiving eve, Nov. 24, at 8:30 p.m. Protestant Divine Services will be held Sunday at 8:30 and 11 a.m. with gratitude to God as the theme.

Special Protestant Thanksgiving eve services will be held Wednesday, Nov. 24, at 7:30 p.m. Jewish Sabbath Services will be held this evening at 8 p.m. in the East Wing. The Services will be concentrated on the age-old ceremony of prayer, petition and praise for His gracious benefits.

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. Frederick L. Richards Editor. Staff Writers: Budd Gott, John R. McCabe.

DEADLINES: News Stories, Tuesday, 4:30 p.m. Photographs, Tuesday, 11:30 a.m. The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise identified.

Valley Nurses To Hear Talk Monday

The Indian Wells Valley Nurses Club will gather Monday, Nov. 22, at 7:30 p.m. in the Community Center to hear discussion of "New Frontiers of Research in Mental Health," led by guest speaker Robert Quiggle, Associate Professor of Psychology of the Bakersfield College Desert Division.

DIVINE SERVICES

Christian Science (Chapel Annex)—Morning Service—11 a.m. Sunday School—9:30 a.m. Protestant—(All Faith Chapel)—Morning Worship—8:30 and 11 a.m. Sunday School—9:30 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located opposite Station Restaurant. Roman Catholic (All Faith Chapel)—Holy Mass—7, 9:30 a.m., and 5:30 p.m. 6 a.m., Monday through Friday; 8:30 a.m., Saturday. Confessions—8 to 8:25 a.m., 6 to 8:30 p.m., Saturday; Thursday before First Friday, 4 to 5:30 p.m. NOTS Jewish Services (East Wing All Faith Chapel)—8 p.m. every first and third Friday. Sabbath School—10 a.m. to noon, every first and third Saturday. Unitarian Fellowship (Chapel Annex No. 95, 85 King Ave.). Fellowship Meeting—Sundays, 7:30 p.m. Sunday School—10:45-11:45 a.m. (Chapel Annexes Nos. 1 and 2).

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.

Cold-Type Composing Machine Operator, GS-324-3 or 4, Code 7512—Incumbent sets up copy for offset reproduction, takes copy in either galley or varityped form and makes up pages or layouts for reproduction, proofreads reproduction copy by checking against original manuscript, etc. Must be a proficient typist, thoroughly trained in operation of Vari-Typer, IBM Proportional Spacing Machine, Headliner and be familiar with terminologies of printing, proofreading and copyediting.

Telephone Operator, GS-383-3, Code 8544 (2 positions open)—Incumbent will complete long distance calls and telegrams (out going), long distance and local calls, (incoming), leased line and foreign exchange calls, information calls, check long distance tickets, etc.

Travel Clerk, GS-2132-3, Code 8517—Incumbent is responsible for arranging travel, using a variety of routes and carriers, screening travel requests and travel orders, estimating and computing per diem and other costs, determining methods of travel, etc. File applications for above with Sherry Scheer, Bldg. 34, Rm. 26, Phone 71577.

General Engineer, GS-511 or GS-12, Code 5507—Incumbent will assist in program planning, BuWeps liaison, and coordination of on and off-Station effort related to missile test, development, production, training, investigation of fleet problems and general fleet employment of NOTS developed air-to-air guided missile systems.

General Engineer, GS-12 or 13, Code 5564—Incumbent is the branch head and is responsible for custody and control of BuWeps documentation, reproduction and distribution of BuWeps drawings, specifications, standards, sketches and associated other documents to DOD activities and contractors. Acts as Technical Coordinator between contractors providing document reproduction services and NOTS users. Assures that documentation produced meets MIL SPEC requirements for microfilm and other copy methods.

Model maker (Sheet and Plate Metal), WB-14, Code 5545—Applicants must have had five years of progressive and responsible experience in the making of metal models to scale from drawings, sketches, blueprints, notes and oral instructions. One year of the experience must have included the making of prototype or experimental models for use in scientific research, or training aids.

Supervisory General Engineer, GS-13, Code 5525—Incumbent is branch head of the Systems Electronics Branch. In addition to administrative and supervisory duties he is responsible for the design, prototype development, test and production support or several different weapons test sets, principally for the Sidewinder and Shrike weapons.

Incumbent is charged with maintaining an airborne telemetry systems capability to support the weapons system responsibilities of the Division and other Departments. Also has tasks of maintaining HERO and RFI design test and evaluation group for design assistance to Station development Departments. File applications for above with Loretta Hetherington, Rm. 34, Bldg. 34, Phone 71471.

Mechanical Engineer (Utilities), GS-530-9 or GS-11, PD 17006, Code 7004—The incumbent is assigned work covering alterations and improvements, construction, replacing, maintenance and repair, of roads, runways, drainage facilities, structures, water and sewage systems, and pipelines. Inspector (Public Works Electrical Systems) JD 76-1 Aml, Code 7082—The incumbent inspects electrical systems by examination and test of components involved in the particular facility to determine the physical condition with respect to prescribed maintenance standards. Inspection of all facilities are scheduled at regular intervals.

'DESERT PHILOSOPHER'

Trail Riders and 49er Encampment

By "POP" LOFINCK



The 4th Annual Death Valley Trail Ride, co-sponsored by the Death Valley 49ers, Inc. and Corral 56 Equestrian Trails, Inc., started from Ridgecrest, Sunday morning, the 7th of November, took the Riders past the Pinnacles, through Layton Pass to Panamint Valley, up Goler Canyon, past Striped Butte, to Bennets Long Camp in Death Valley; took the Riders over much of the route followed by the famed 20 Mule Team Borax Wagons. Not easy—it takes experienced riders. Arriving at Furnace Creek Ranch about noon Friday, November 12.

Dell Schmitz of Ridgecrest was the trail boss on the five and one half day trip. The riders from Ridgecrest were: Dell Schmitz, Trail Boss; Tony "Bill" Anthony, Jr. (age 15); Paula Carson (age 13), Barney Cavalliere, Norma Jones, Fred J. Koperski, E. A. Long, and Garnet Schmitz.

John McClendon of Inyokern; Ruth Adams, Trona; Loron W. Alvord, Merced; Bob Barnett, Yosemite; Floyd S. Barton, Long Beach; Bart Benoit, Woodland Hills; Lorence M. Carr, La Puente; Irene Cooksey, El Monte; George C. Dinsmore, Boron; Vic "Speedy" Farr, La Puente; Jan Ferrero, Chatsworth; Frank Furrer, Merced; George Hampston, Palmdale; Peter J. Hansen, Jr., Littlerock; Greg Haguaiagaray, Fowler; Jim Hester, El Monte; Shirley Kirkberg, Bakersfield; and Bill McKee, Fontana.

Kenneth Morley, Merced; Dr. Chester A. Moyle, Merced; Lee Morris, Whittier; Mauritz and Virginia Nelson, Sebastopol; Lopus Nunes, Winton; Laurence "Larry" L. Rossi, Torrance; Pete Peterson, Long Beach; Nancy Thomas, Tustin; W. A. and Marilyn Thompson and Bud Turner, Fullerton; Larry and Penny Wagner, Canoga Park; Elizabeth and A. C. Williams, Chatsworth; and Captain Charles Blenman, retired Commander of NOTS, Pacific Palisades.

The crew was Dell Schmitz, Trail Boss, and Bing Gaskins, Tony Anthony, Sr., Bob and Larry Gaska—all from Ridgecrest, and Evert Cornelius of Boron and Jack Davis of Quartz Hill. To Captain Charles Blenman goes the credit of encouraging the first Death Valley Trail Ride in 1962 when he was commander at NOTS.

On this 4th Annual Trail Ride, the oldest riders were Dr. Charles A. Moyle, 72, retired medic of Merced, who started the first Yosemite trail ride in 1940. Another oldster, George Hemston, age 71.

Next, Jim Hester, age 70, of El Monte, California, is a character. He has been a rancher in New Mexico and Colorado, fighter pilot in World War I, a stunt pilot wing walker, a member of Will Rogers' polo team, and a Grand Marshal of the Ridgecrest Parade. Now has a mortgage and loan business in El Monte. He is equally at home on a horse or piloting an airplane.

Nancy Thomas of Tustin, Calif., (who looks like a magazine cover girl) merits special mention because she has been on three Death Valley Trail Rides and many others in California.

On her first ride in 1962 the weather was awful—the wind blew terrific at the first camp at Boron. It was cold at Owl's Head Mountain camp, and the rain poured down at meal-time and at bed-time, creating conditions as rugged and realistic as the pioneers experienced. And Nancy came back for more the following year.

The youngest was 13-year-old Paula Carson of Ridgecrest. Her hobby is horses, of course, and she is a real woman in keeping her horse in good condition.

The 1965 Death Valley Trail Riders arrived at Furnace Creek Ranch about noon Friday, Nov. 12, as scheduled. President Hugh Tolford and his efficient staff of the Death Valley 49ers put on an outstanding program this year at the 16th Annual Encampment in Death Valley. It was a great success like the previous encampments, only more so.

MORE ABOUT DEATH VALLEY NEXT WEEK

Mechanical or General Engineer GS-9, GS-11 or GS-12 (3 vacancies), Code 4036—The incumbent will be engaged in the design, development and testing of weapon system components related to: hydraulic and pneumatic fluid transport, fluid filtration and processing, refrigeration equipment, and pressure vessel and structures design. Incumbent will be responsible for establishing standards to ensure reliability of operation, materials compatibility and suitability for intended service, adequate strength and suitable control techniques. File applications for above with Sandi Craig, Bldg. 34, Rm. 28, Phone 72676. Deadline for filing is Nov. 26.

COMPETITIVE PROMOTIONAL EXAMINATION A competitive promotional examination is announced for Leadman (Laborer), Announcement No. P-NOTS-14(65). Applicants must be Career or Career-Conditional employees of NOTS, China Lake or Pasadena, Calif. File Card Form NAVEXOS 4155-AB and Standard Form 57 with the Personnel Division, Code P-659, Pasadena, Calif. Applications will be accepted until close of business Dec. 6, 1965. COMPETITIVE EXAMS: The Board of U.S. Civil Service Examiners, Eleventh Naval District, Announces examinations to establish registers for the following for filling vacancies as they occur at the U.S. Naval Ordnance Test Station, China Lake, Calif.: Laborer, Ann. No. SF-20-100(65); Automotive Equipment Serviceman, Ann. No. SF-20-118(65); Heavy Duty Equipment Mechanic, Ann. No. SF-20-119(65). The registers established from these examinations for Laborer and Automotive Equipment Serviceman will cancel and supersede the previous registers. File applications for above with the Civil Service Representative, U.S. Naval Ordnance Test Station, China Lake, Calif. 93557. Applications will be accepted until further notice. Photographer, GS-4 to GS-9—Laboratory, scientific and technical, and motion picture. Ann. No. SF-14-8(65). File up to date Standard Form 57 with Board of U.S. Civil Service Examiners for Scientists and Engineers, 1030 East Green Street, Pasadena, Calif.

Turkey Bowl Games Saturday at BHS



"POP" WARNER BROWNS — Squad members who will face the Colts in the "Turkey Bowl" tilt tomorrow at Burroughs' field (kneeling, l-r) are K. Piacchia, R. Klassen, R. Bowles, P. Stalnaker, J. Ashcom, R. Johnson, D. Stephenson. Standing (l-r) are N. Sorbo, D. Williams, coach Art Edmunson, B. Byrd, K. Jackson, coach Tom Galyon, D. McDuff, and G. Miller. The Browns tangle with the Colts at 2:15 p.m.

'Pop' Warner Teams to Clash In Triple-Header on BHS Field

Win or lose, you will be a winner, if you attend the Fourth Annual Turkey Bowl games of the "Pop" Warner League starting at 1 p.m. tomorrow at Burroughs football field.

You will be a winner because you will be contributing to a fund which will replenish equipment for next year's teams for these youngsters.

Tickets for the turkey fray are still available from these energetic players at 75 cents for adults and 50 cents for those under 16 or they may be purchased at the gate.

In addition, Ridgecrest merchants have donated three turkeys to be given away at the game.

The two Midget teams — the Raiders coached by Bob Stewart and Carl Morley, square off at 1 p.m. against the Broncos, coached by Don Scofield and Frank Cox. These under 110 - pound sixth and seventh graders put up a real battle.

The two Junior teams — the Colts, coached by Dennis Smith and "Tank" Adamson, tangle with the Browns, coached by Tom Galyon and Art Edmunson, at 2:15 p.m. A good scrap can be relied upon from these over 110-pound seventh and eighth graders.

The Seniors, a team composed of ninth and tenth graders, will meet Big Pine's Junior Varsity team at 3:30 p.m. in the Turkey Bowl finale.

Bill Oaks, Larry Phillips, Mike and Eddy Crom will handle the coaching chores for the Seniors. The Middlets play eight-minute quarters, excluding timeouts, on an 80-yard field and the Juniors go eight-minutes per quarter on a regulation 100-yard field. The Seniors play 12-minute quarters on a regulation field.

Burros Trip at Falcon Homecoming

By MIKE TAYLOR

The Burros went down in defeat as the Falcons of Palmdale High School scored a 23 to 7 victory last Friday, November 12, to make their "Homecoming" a cool success, as the mercury was well down in the 40's and there was a strong wind blowing.

Burros got the opening kickoff but were unable to move the pigskin. Steve Metcalf, Burros star fullback, was injured on the second play from scrimmage as he went over the center of the Falcon line for three yards. Steve was unable to return to the game.

Dave Bittel went in to punt, replacing Metcalf. The hike from center flew over David's head and he chased the football into the end zone where he was dragged down giving Palmdale a safety and the first two points of the game.

Following the safety Burros John Martin kicked-off from the BHS twenty. The kick was taken by Doug Burghardt of Palmdale on his 43 yard line, from where he out-maneuvered and out-ran the Burros defense

BOWLING NEWS

By Dick Stine Phone FR 5-5411

PREMIER LEAGUE: This past Monday night the team members of Laura Scuders made a big noise by blasting out a beautiful 976 game, while the members of the Starlite team recorded a very fine 2716 series. The big shooters for the night were Gordon Zurn Jr's game of 223 and George Bowles very fine 594 series which included 169-222-203 games.

WOMEN'S LEAGUE: Marion Sievert of Miller's Missiles held top honors last Wednesday night by slamming out a 192 game and a 511 series as her team members gave her support by taking top honors for their effort in recording a 961 game and a 2743 series with handicap. Miller's Missiles nosed into first place by one game. The Jets will put pressure on to get the top spot back.

One frosty autumn morning in the year 1771, on a hilltop near what is today Wheeling, West Virginia, three bronzed, lean men in buckskin prepared to break camp. As they gathered up their gear and provisions, and looked to the readiness of their muzzle-loading flintlock rifles, one would not expect that these men would shortly embark upon an adventure that would set their names down forever in the hearts of all Americans.

One would be right. The three men were squirrel hunters named Smith, Harris and Aurschmidt, and were never heard of again.



FIRST "TURKEY BOWL" TICKETS—David Seeley of the Broncos presents first tickets to tomorrow's "Turkey Bowl" to Capt. Robert R. Yount. Proceeds for the triple-header event will be used to buy equipment for next year's season.

GENERAL MESS MENU

- FRIDAY, NOV. 19 D—Corn shodder, fried fillet of perch, chili con carne, au gratin potatoes, peas, salad bar, lemon ring pie. S—Chicken noodle soup, beef chop suey, shrimp fried rice, beans, salad bar, vanilla waffles, ice cream. SATURDAY, NOV. 20 B—Cereal, fruit, hot oatmeal, fried eggs, breakfast toast, waffles, syrup, fruit juice. 1000 ADD: Creole soup, cheese sandwiches, French fried potatoes, salad bar, ice cream. 1000 OMIT: Breakfast toast, waffles, syrup. S—Minestrone soup, veal steaks Italian style, tomato sauce, boiled spaghetti, waxed beans, pizza pie, salad bar, fruit cup with topping. SUNDAY, NOV. 21 B—Cereal, fruit, hot farina, fried eggs, ham slices, waffles, syrup, tomato juice. 1000 ADD: Cream of celery soup, ham bacon French toast, potato patties, salad bar, ice cream. 1000 OMIT: Ham slices, waffles, syrup. S—Mongole soup, oven roast of beef, natural gravy, roast brown potatoes, French fried cauliflower, W/Y corn, salad bar, banana cream pudding. MONDAY, NOV. 22 B—Cereal, fruit, hot farina, bacon slices, fried eggs, blueberry hot cakes, jelly filled doughnuts. 1000 ADD: Cream of celery soup, ham bacon French toast, potato patties, salad bar, ice cream. 1000 OMIT: Ham slices, waffles, syrup. S—Mongole soup, oven roast of beef, natural gravy, roast brown potatoes, French fried cauliflower, W/Y corn, salad bar, banana cream pudding. THURSDAY, NOV. 25 B—Cereal, fruit, hot oatmeal, minced beef on toast, hash brown potatoes, fried eggs, French toast, iced bear claws. 1000 ADD: Tomato rice soup, trim tom steak, French fried potatoes, salad bar, tomato juice. 1000 OMIT: Minced beef on toast, French toast. THANKSGIVING DINNER — 1500-1700 HR. FRIDAY, NOV. 26 B—Cereal, fruit, hot farina, fried eggs, grilled luncheon meat, pineapple hot cakes, syrup, quick-coffee cake, whipped cream. MENU SUBJECT TO CHANGE



PASSING THE PIN—As Bob Dausch (r) assumes presidency of the Ridgecrest-China Lake Bowling Assoc., outgoing president Jim Poore (l) presents him with symbol of office. Poore will take up duties as Assoc. advisor. Dausch was 1st vice president until Poore's change.

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638



Slim Lead Held By AstroNOTS

By Ray Hanson

The fading AstroNOTS held a slim two-game lead in the NOTS Wednesday night bowling league going into the 10th week of play, with the Sphinks in noisy pursuit. The AstroNOTS' record was 25 wins, 11 losses, while the Sphinks had racked up a 23-13 mark. Meanwhile, closing sinisterly on the outside, the Quiet Five eased into third place (22-14). The Five, as you may remember, were last season's winter league champions and, like paroled pickpockets, they most certainly must be watched.

High scores for the 9th week are as follows: team series, Black Cats, 3016; team game, Hunees, 1057; men's series, Sam Brown, 871; women's series, Dawn Kindred, 654; men's game, Jack Springer 252; women's game, Dory Aitchison, 239.

Would you know how to administer mouth-to-mouth resuscitation in an emergency?

PHILIP P. FOSTER in the Engineering Department (l), receives congratulations from J. L. Cox, Associate Department Head, and Capt. G. H. Lowe, OinC, Pasadena, as he is doubly honored with a 20-year Federal Service pin and a NOTS 20-year pin. Previous to his transfer to civil service in November 1945, Phil was employed with CalTech. Residents of Arcadia for many years, he and his wife, Velma, have a married daughter, Christine.



SIDEWALK CAFE A LA NOTS PASADENA—Delighted with the fringed umbrella recently purchased by the Employee Service Organization (ESO) are (l-r) Nancy Quistorff, ESO President and Mathematician in P8082; Libby Toth, Telephone Operator, P19111; Ellen Nagy, Clerk Typist, P25621; Irene Brown, Time and Leave Clerk, P17621; and Esther

Alles, Secretary in P75401. Two of the umbrellas were purchased to shade employee lunch stations. The one shown is behind the Telephone Office. The other shelters a picnic table located between Building 3 and Building 17. Another evidence of our ESO committee in action to serve the best interests of our employees at their jobs.



STAN SEEBERG sketched the Comet Ikeya-Seki as it appeared from San Clemente Island on Friday morning, October 29, 1965, in the southeastern sky.

Comet Ikeya-Seki Observed At SCI

(The following is a report from Stan Seeberg of the Public Works Department at San Clemente Island.)

Hail And Farewell

New Employees

UOD—Roger M. Hubbell, Model Maker; Stephanie L. Lucero, Clerk-Stenographer; Philip R. Gill, Electronic Technician, Jack H. Springer, Mechanical Engineering Technician; Russell A. Hayslett, Engineering Technician.

Public Works—Robert W. McPherson, Cable Splicer; Harold D. Price, Rigger.

Engineering—Dennis E. Shananan, Jr., Electronic Engineer.

Terminations

Engineering—Betty J. Right, Clerk-Typist.

UOD—Harry A. McMurray, Mathematician.

Administration — Bea A. Hearn, Clerk-Stenographer.

PROMOTIONAL OPPORTUNITIES

To apply for vacancies, contact Nancy Reardon, Pasadena Personnel Division, Extension 492. A current SF-50 must be submitted when applying.

Mathematician, GS-11 or GS-12, PB054—Provide mathematical analysis on fire control, weapon control and other ASW shipboard equipment. Must be familiar with fire control system MK 114 and other ASW shipboard equipment in terms of functional characteristics. Determines, through analysis techniques, functional changes which will improve ASW capabilities.

Mechanical Engineer (General) or Engineering Technician, GS-9 or GS-11, PD 24018, Code PB0871—Responsible for the operation, maintenance, and modification of the 1500 psi test tank facility at NOTS, Pasadena; planning and performance of environmental testing, including the design and fabrication of special test fixtures.

General Engineer, GS-11, 12, or 13; Code PB050—Responsible for technical coordination and direction for advanced design and development of integrated ASW systems. Includes system feasibility studies, analysis and determination of system, sub-system, and component requirements to achieve optimum functional compatibility and performance effectiveness. BS degree preferably in electrical or electronic engineering is highly desirable; however, other degrees in physical science will be considered if applicant has requisite experience. Must have strong background of systems-oriented work which has provided a detailed knowledge of several of the following areas: digital systems, control systems, communications signal processing, operations analysis. In addition, experience in shipboard weapon systems is extremely desirable. Grade level will depend upon qualifications of applicants.

"Comet Ikeya-Seki, failing to make a brilliant spectacle during its first appearance, eventually made a fine celestial showing before dawn in the southeastern sky as viewed from San Clemente Island October 28."

Stan first observed the comet in the daytime sky very close to the sun about 10 a.m. on Thursday, October 21.

"Through binoculars and a No. 5 Welder's filter it appeared as a very small silvery streak of light. Using a 4-inch reflecting telescope the head of the comet appeared as a bright star with a short fan-shaped tail, as viewed with a magnification of 65x.

More than fifty persons at the island had the opportunity to view it during a period of about four hours.

"However, for several days thereafter, it remained invisible." Friday morning, Oct. 29, Stan spotted it in the pre-dawn sky. "It looked like a searchlight coming out of the San Diego area as viewed from SCL. About 6 a.m. the head of the comet was visible as a dim star, with the brilliant tail streaming upward at about a 60 degree angle with the horizon, and appeared to be more than 20 degrees in length as viewed with the naked eye. The tail was very slightly curved as shown on the drawing.

"On Tuesday, November 2, the comet was practically unchanged except for the tail which was less curved. The comet is moving away from the sun but should be visible for another week or so in a clear sky. Observers may be able to view the comet in the southeastern sky during the next few days as it continually recedes from the sun. Best viewing time (binoculars will be helpful) would be from 4 to 5 a.m.

"Elections determine important national and state issues. Study issues before you VOTE."

This is a good week to do the things you promised yourself you would do last week.

Supply Dept. Names Contest Winners In Local PRIDE Project

At an all-Supply Department meeting Monday in the Community Center, Station Executive Officer Capt. Leon Grabowsky sketched the background of the nationwide Zero Defects program and pointed out to more than 150 NOTS Supply people that PRIDE (Personal Responsibility in Daily Effort) aims for the same objectives as those always stressed at NOTS.

Capt. Grabowsky presented PRIDE achievement certificates and trophies as a climax to the Department's preliminary Zero Defects program. To give momentum to the effort prizes were offered for slogans and posters best expressing PRIDE in action.

Supply Director Capt. P. W. Jeffrey introduced first achievement award winners selected by their fellow workers for special recognition of outstanding effort to get Project PRIDE going full steam in Supply.

From Subsistence Division Darrell W. Dochterman, SKSN; Material, Jim Knight; and Control, Grace Lowe were called to the stage to receive their awards.

Ordnance Division named Frank Peck; Technical, Herb Hood; Planning, Jeanne Harris; Traffic, Larry Mason; and Administrative Division, Mary Casey as their outstanding contributors. Special recognition was accorded Dee Ranes of Planning for assistance with artwork and help with preparation of PRIDE publicity material.

Runners-up in the contests were presented certificates. In the poster contest, Dick Stokes was first runner-up and a team effort by the Ordnance Division second runner-up.

In the slogan competition Ralph Rogers of Technical was judged runner-up and Charles T. Ross of Material second runner-up.

Engraved plaques were presented to sweepstakes winners to climax the awards program. Best slogan prize went to a team from the Administrative Division: Mary Casey, Judy Hornback and Dorris Johnson.

Best poster award was received by Fidel Dandan, AK2, of Aviation Supply Division. Dandan's poster depicted quality of workmanship and personal integrity as building blocks supporting peace and freedom in the world.



PROJECT PRIDE PLAQUE WINNERS—F. A. Dandan, AK2, sweepstakes poster winner, Dorris Johnson and Judy Hornback, sweepstakes slogan contest co-winners with Mary Casey, hold plaques awarded in Supply Department's Project PRIDE. Posters and

slogans expressed goals for the nation-wide Zero Defects effort. Executive Officer Capt. Leon Grabowsky, left, made presentations while Supply Director Capt. Paul W. Jeffrey congratulated winners on their ingenuity and originality in posters and Slogans.



FOR THANKSGIVING BASKETS — Over one-half ton of canned goods was collected by Youth Service League members throughout Ridgecrest and China Lake. League director Robert G. Belisle presents Chaplain R. W. Odell with pickup load of food for Thanksgiving baskets. League members are Karen Paschke, Susan Jeffries, at left, Jan Williams and Sandy Mather, at right.

Marines Observe 190th Year



CUTS BIRTHDAY CAKE—Marine Liaison Officer Lt. Col. Noah C. New prepares to cut traditional birthday cake as Station Commander John I. Hardy watches at the Marine

Ball held in the Community Center Nov. 10 in observance of the Corps 190th anniversary. At left is M/Sgt. Kenneth N. Ayers and at right Cpl. Norris L. Haight Jr.

Commissary Open All Day Wednesday

The Commissary Store will be open all day Wednesday, Nov. 24, for pre-Thanksgiving shopping, announces Lt. N.P. Jensen, Commissary Officer.

Health Plans To Change in '66

Minor benefit changes will be made in a number of the health benefit plans, and some will increase their premium rates for the contract term which begins in January 1966.

To inform employees of the changes, if any, in their plan, the Civil Service Commission has prepared pamphlet BRI 4-1-117, entitled Information About Plan Changes Effective January 1966.

It will be distributed to all employees around the end of the year.

Employees should check the pamphlet regarding their plan to see if it has any changes, and, if so, in what respect. The BRI 41-117 pamphlet should be kept with the employees' insurance brochure.

If the rates of an employees' plan are being increased, the effective date for the increased deductions from an employees' salary will be Jan. 2, 1966.

Rate increases are needed in

some plans primarily because of increasing costs of medical care and higher utilization of medical services by employees and their family members.

The next open season for changing enrollment has not been scheduled. It will be announced and held Feb. 15, 1968.

Art Leaguers To Meet Mon.

The Desert Art League will hold its regular program meeting on Monday, November 22, at 7:45 p.m. at the Community Center. A slide program with commentary from the National Gallery of Art in Washington, D.C., will be presented on "Light and Color in Painting." The program illustrates color relationships and how to secure harmonies, contrasts, after-images and other phenomena.

Aetna Agent To Be At Community Center Tuesday and Wed.

Howard Keenan, Aetna Insurance representative from Oakland, will be at the Community Center, Tuesday, Nov. 23, from 9 a.m. to 4:30 p.m. and on Wednesday, Nov. 24, from 9 a.m. to 3 p.m., according to Austin Ross, Head of Employee-Management Relations.

Members of the Aetna Federal Employees Benefits Program may consult with Mr. Keenan during these days on questions regarding their insurance.



RETIRING TO PARADISE—"Just what I need for retiring in Paradise, Paradise Valley, that is, near Chico, Calif.," Ed Fortier says as he accepts retirement gift from Clarence Renne at party in his honor at the Hideaway. Designer of the L.T.E. Thompson medal, Fortier first joined the NOTS family in 1951 at Pasadena, then came to China Lake with TID and transferred to Code 45 in 1959.

Leonard Seeley's Bean-Shaped Sub Performs in Tests at Station Pool

(Continued from Page 1)

What's "Cycloidal Propeller"? The cycloidal propeller is a group of fixed or variable pitch wing-type blades, mounted and revolving in a circle, providing both motion and direction control for a vessel. It has been used on a river tugboat in this country, and propels some river tugboats on the heavily traveled Rhine in West Germany. "I invented the design for my miniature submarine in the spring of 1961," says Leonard Seeley. "But I've been interested in the cycloidal propeller ever since my college days, when I studied under Professor Frederick Kirsten at

the University of Washington in Seattle, who invented the propeller."

He points out that the version of the propeller he favors, and that he used on his invention, was Kirsten's.

"This device has been somewhat neglected in the United States," Seeley explains, "but the Germans used a slightly different version very successfully in their PT boats during World War II. It gave the boats such precise control and quick maneuvering thrust, that Allied gunners found them nearly impossible to hit."

The cycloidal propeller has sometimes been called the "vertical axis propeller," Seeley notes, but points out that it can be mounted in any orientation. It is able to change thrust direction through a full 360 degrees with a simple change in blade pitch.

"I was sort of motivated to invent this miniature sub by the fact that I can't swim a stroke," Seeley says, "and I would love to explore around underwater in it — just for relaxation."

A friend of ours recently complained about the problems he is having with his son's high school career.

Not only is Junior getting poor marks in class, but he is sitting in that section of the class using the wrong tooth paste.

Kay Adams Sings Tonite for Dance At Acey Ducey

Recording star, Kay Adams, of Capitol Records, will appear with "The Versatiles" tonight and tomorrow night at the Acey Ducey Club.

Frankie Lemon, "Red" Simpson, Johnny Barnett, and Wayne Paisano will furnish the western and pop tunes from 9 p.m. to 1 a.m. for dancing.

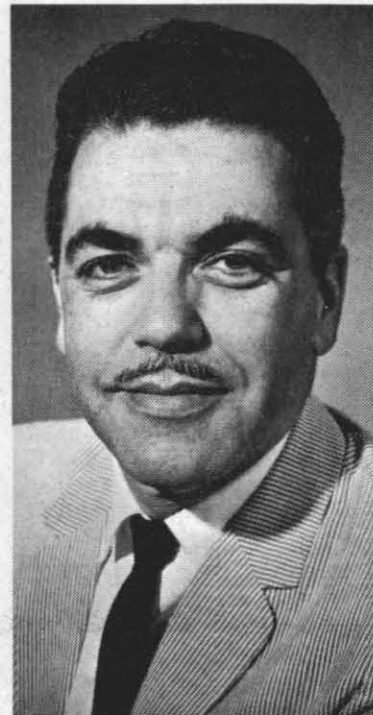
Elected to COM Advisory Group



CRD. JACK ROBCKE

Three members were elected from a field of 12 candidates to the Advisory Group of the Commissioned Officers Mess (Open) at the annual membership meeting Tuesday evening. Serving two year terms will be Cdr. Jack H. Robcke of NAF, who has returned to NOTS for a second tour of duty, Eduardo S. Romero of the Test Department, and M.B. (Mel) Johnson of Central Staff.

The newly elected Advisory Group members succeed chairman Capt. Atlee F. Clapp, Leroy Riggs, and LCdr. P. E. Johnson.



ED ROMERO

Holdover elected members are Dave Chapman, LCdr. George E. Russell, and Lt. Dick Thomas.

Current appointed members of the Advisory Group are Lt. Phil Shannon representing NAF, and Mrs. Faylene Thelen representing WACOM.

Three representatives of the Executive Dining Room, Ray Sinnott, Norma Jones, and Harold Hockett, also serve with the Advisory Group.

Cdr. Hal Byrd, Legal Officer, and Cdr. W. J. Snyder, Assoc. Director of Supply, serve the Group as advisors.



MEL SORGE

Outgoing group chairman Capt. Clapp cited club manger Don Puckett for his efficient management. The chairman also noted that club membership has increased from 700 to 900.

Club manager Puckett announced that the Club's annual Christmas Eve party would be held Tuesday, Dec. 14.

He also noted that the price for the New Year's party has been set at \$5 per person and urged members to make reservations early, as attendance will be limited to 100 couples.

Daily Vehicle Run Scheduled CL-Pasadena

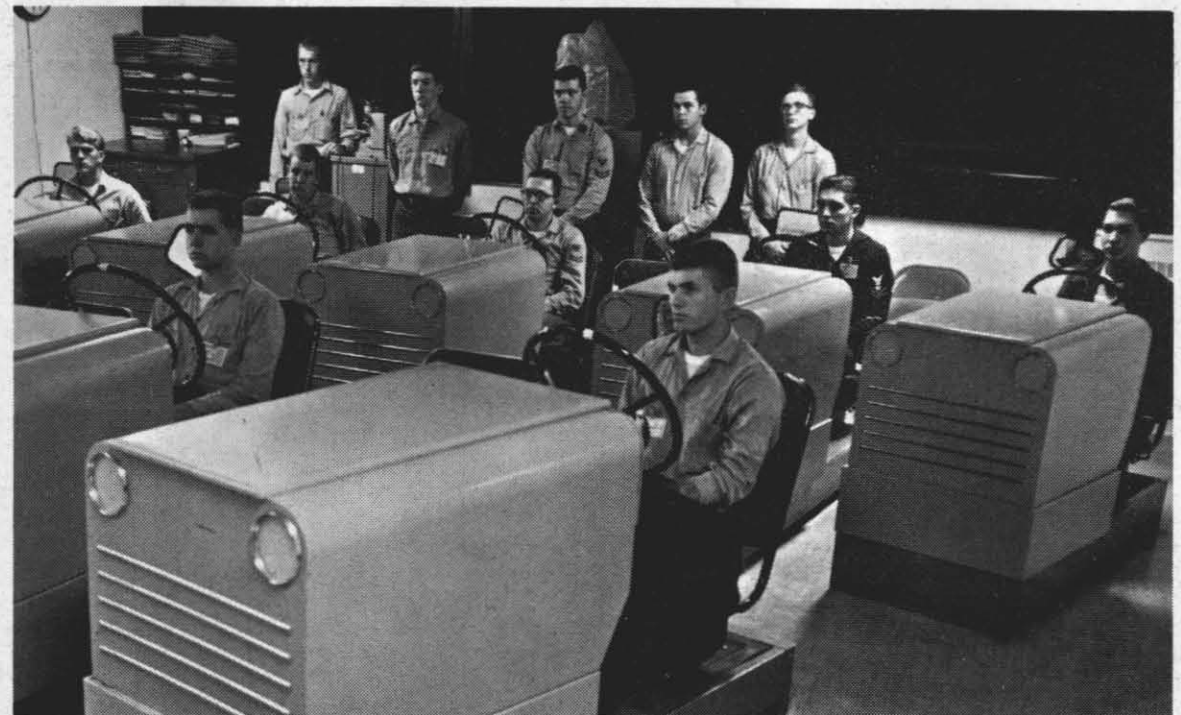
A Navy vehicle run recently set up to carry technical data between China Lake and the Pasadena Annex is also available for use of NOTS employees on official travel.

Daily, Monday through Friday, a Navy sedan leaves the China Lake Administration building at 6 a.m., arriving at the Annex at approximately 9 a.m. The sedan departs from the Main Gate, Pasadena Annex at 4 p.m., reaching China Lake around 7 p.m. Travelers should be at the Administration building or the Pasadena Main Gate fifteen minutes prior to scheduled departure.

To insure space in the Navy sedan, prospective travelers should call the Travel Office before 3 p.m. on the day preceding planned departure.

There is no direct charge made against project or department job orders for use of this transportation.

A considerable cost saving is being realized by using a Government vehicle to transport the Station's technical data and guard mail. Use of this vehicle for travel to the Annex or the Pasadena area will also save travel funds for each passenger carried.



DRIVER TRAINING—Completing the Safety Department's Driver Training Course this week are 11 enlisted men. At front driver-trainer units are Wesley H. Rhinehart, NAF, and William P. Bailey, VX-5. At back units (l-r) are Glen R. Willingham, NAF, Kenneth K. Klusmeyer, VX-5, LeRoy E. Abey, VX-5,

Phillip K. Froker, NOTS, Bruce A. Boyer, VX-5. In background (l-r) are instructor David Garrison and students David E. Pfeiffer, VX-5, Homer L. Vandervort, NOTS, Van A. Branham, NOTS, and Harold L. Saltkill, NAF. Over 4000 military personnel have completed the 16-hour course.

Holbrook Offers Lakers Distilled, Polished Twain

Hal Holbrook has been presenting the King of American satirists to audiences around the country for at least the last six years, and it is a tribute to both Holbrook and Mark Twain that the re-creation has lost little if any of its original fire.

Enough China Lakers to fill over three quarters of the Station Theater ignored a drizzling Tuesday evening, November 16, to present themselves for a vest pocket education a la Twain. Holbrook concentrated on Clemens' story-telling penchant, polishing several stories to a high gloss before an appreciative audience.

Holbrook's marvelous voice—even as tailored to become the voice of a 70-year-old Samuel Clemens—filled the theater completely. It even subdued and elbowed aside the noise of the air conditioning system, inadvertently left on a few minutes toward the middle of the performance.

Rather little of Mark Twain's more abrasive commentary on many subjects found its way into the evening's entertainment, which was perhaps just as well, for it was potent enough to disrupt Samuel Clemens himself in the middle of a story.

The story was the thing with Clemens, and it deserved every round of applause it received, as delivered by Hal Holbrook, Tuesday evening.



Safety-WISE by SAFETY DEPARTMENT

DEFENSE

The very best defense against an accident is not to be there when it happens.

This sounds like an impossible feat, doesn't it? But it really can be accomplished. It's easy.

You simply make it an essential part of your job to know all the practices for working safely; make it a strict policy to follow all of those practices without exception; appreciate what an accident can do and what you can do to prevent it.

That's the way you can avoid "being there" when an accident happens—by seeing to it that no accident happens where you are!

It's a trick that works on the job, at home, and in your leisure time activities.

Safe Worker, National Safety Council, August, 1965

President Signs Bill To Permit Cash Awards for Servicemen

(AFPS)—President Johnson has signed an act authorizing cash awards up to \$25,000 to service personnel for suggestions, inventions or scientific achievements which benefit the government.

It will be some time before each service can adopt respective programs to put award machinery into motion, an official said, but anyone making a contribution now is eligible for consideration.

Unformed personnel are encouraged to submit worthwhile contributions for evaluation under the new authorization.

The suggestion, form, NAVEXOS 12450/8 (Rev. 3-64) used by civilian personnel may be used for submitting contributions by military personnel.

Money will be paid from appropriated funds similar to the program provided civil servants. Previously, some service personnel were granted cash awards in lesser amounts from non-appropriated funds such as post or base exchange profits.

The awards legislation was introduced by Rep. Richard S.

Schweiker, R.-Pa. It gives regulation authority for the new program to Secretary of Defense Robert S. McNamara as it affects the Army, Navy, Marine Corps and Air Force. Similar authority is given to the Secretary of the Treasury for the Coast Guard.

An additional authorization can be made by the President for "efficiency, economy, or other improvement of operations of the Government of the United States."

This means a person can receive an award for "service contribution" and then be given a "Presidential" award, if both do not exceed the \$25,000 limit.

Only active service personnel are eligible. A person may receive the award after service separation, if the contribution was made while on active duty. Should the contributor die, the money would go to a beneficiary.

Anyone receiving a cash award will be required to waive rights for future legal action against the Government involving such claims as patent or royalty rights.

Marionettes Play Hansel and Gretel Mon., at Theater

"Hansel and Gretel," a marionette play, plus "The Three Billy Goats Gruff" and a puppet circus, will be presented by the Lessell Marionettes at the Station Theater on Monday, November 22nd at 3:30 p.m. This program is being sponsored by the China Lake Branch of the American Association of University Women. Tickets at 50 cents for children and adults will be sold at the door and through China Lake elementary schools Friday November 19th and Monday November 22nd and at the Gift Mart in Ridgecrest.

Proceeds raised from the ticket sales will go to the AAUW Fellowship Fund. Fellowships are awarded to graduate women students both domestically and abroad for advance study in the United States.

Ticket sales and other information is available from Mrs. Peter Hammond at NOTS ext. 725241.

Argonne Chemist To Address Meet At Trona Dinner

Dr. Herbert H. Hyman, senior chemist of the Argonne National Laboratories, will address the Mojave Desert Section of the American Chemical Society, Monday, Nov. 22 at the Trona Community Church.

The presentation to the Mojave Desert Section's dinner meeting will concern the use of hydrogen fluoride as a solvent and reaction medium, and will include studies of the properties and nature of species present in this solvent.

Dr. Hyman, in addition to his experience at Argonne National Laboratories, was involved with the Manhattan Project and served as an exchange scientist with the United Kingdom Atomic Energy Installation at Harwell, England. He is associated with many professional societies and has published widely in the field of fluorine and fluoride chemistry.

The interested public is cordially invited to attend the meeting. The pre-meeting dinner will be held at 7 p.m. at the Trona Community Church and the talk will begin at 8:00 p.m.

Reservations for the dinner should be made with Dr. Wayne E. Thun, ext. 72831, China Lake; Mr. Robert K. Klopfenstein, 372-5684, Trona, or Dr. Lowell B. Hulsebus, 3228223, Bakersfield.

Outdoor Shop And Retail Store To Be Open Friday Nights

The Navy Exchange Outdoor Shop and Retail Store will be open Friday nights until 8:30 p.m. from Nov. 26 through Dec. 17 to accommodate our patrons during the Christmas shopping season. Lt. Earl F. Mouton, Navy Exchange Officer, announced this week.

To accommodate late, late shoppers, both facilities will remain open until 8:30 p.m. on Thursday, Dec. 23, he added.



NEW RATES SOON—Eight of 15 men at VX-5 who will advance in rates between now and April display their new ratings. Kneeling, Eugene Bakke; standing (l-r) David Banks, David Ames, Ellis Sidney, Mike Kane, George Highers; on ladder, Dennis Kimberly, and David McCain.

Fifteen VX-5 Men Win Advancements

By GERALD W. BURGESS

Fifteen men at VX-5 will be advanced in rates on the 16th of each month from now until April. The 15 men selected for advancement are as follows:

Mike L. LaBella, Paul D. Werle, Andres J. Garcia, and David E. Ames will receive promotions to aviation machinist mates third class and David E. McCain to aviation machinist mate first class.

George H. Highers and Dorman Conradson will advance to aviation structural mechanics third class.

Siuney Ellis and Mike C. Kane will receive promotions to aviation ordnancemen second and third class respectively.

David J. Banks will advance to aviation electronics technician third class while David L. Thietje will move up to aviation fire control technician third class.

Joe L. Bramman will advance to personnelman second class, Dennis Kemberling to draftsman second class, Eugene W. Bakke to yeoman third class and Grover Bradley to parachute rigger third class.

Rates Described

For the uninformed, each rate is denoted by the number of chevrons. The Eagle, or Crow, as it is called, tops the chevron which begins the petty officer ranking. One chevron is E-4 or third Class, two is E-5 or Second Class, and three is E-6 or First Class.

Chief Petty Officer is marked by a rocker above the chevron (E-7). E-8 and E-9 are marked by stars; one for Senior Chief and two for Master. The stars are placed above the Eagle.

Seaman and Airman Apprentice and Seaman/Airman rates do not compete on a serv-

ice wide basis as do the E-4 thru E-9. Their tests are given locally by each command and rated on the results of an examination on a score of 2.5 on a 4.0 base or better.

The Petty Officer rates are graded not only on military bearing but professional as well. Ordnancemen must know weapons, weapons systems, weapons fuzing and arming and the connecting Aircraft systems that carry, arm and drop each weapon.

Personnelmen must type a given number of words-per-minute, know a number of manuals and instructions that pertain to keeping records and filling and out forms.

Out of the many rates in the Navy, VX-5 has only a handful of the following rates which include storekeeper, draftsman, photographer, aviation electronics technician, machine accountant, and parachute rigger.

Factors Cited

Years in service, medals awarded for good conduct, valor and heroism, time in pay grade and semi-annual marks make up another factor in obtaining the next highest rank. This factor is called the multiple.

Each test score is added to the multiple, giving an over all multiple which is then made into a list of highest multiples.

A pre-selected number is then taken from the top of this list in each rate. Those persons on the top will be rated. Others are then quoted and must retake the exam.



TOGETHERNESS, NAVY-STYLE — Receiving recent advancements (r-l) are Darwin E. Richardson to ADJ2, and Dennis R. Sneed to AEC. They have served together since 1960 when Richardson joined VF-142 where Sneed was also attached. Both received orders to the Naval Air Facility, China Lake, and both received advancements in rate on the same day, October 16.



REENLISTS—James Barfield, Aviation Machinist Mate, Jet, First Class (ADJ1), takes oath of reenlistment for a four-year extension to his 10-year Navy career. Oath is given by Cdr. D. Loranger, Commanding Officer, Air Development Squadron Five. "I like the Navy, and the educational advantages it offers," remarks Barfield on his third enlistment. Barfield hails from Uuallola, Georgia. He presently resides at 323 Dorado, Ridgecrest, with his wife Peggy and their children, Rudy, Ricky, Terry, and Robby.