

### Hundreds to See District Art Festival at Center

Hundreds of art enthusiasts are expected to visit the Community Center this weekend to view entries in the district contest of the Kern County Art Festival.

The show opens tomorrow afternoon at 2 p.m. and closes at 8 p.m. On Sunday the hours are from noon to 5 p.m.

The Desert Art League is in charge of the local district show which will include entries from China Lake, Ridgecrest, Inyo, Kern, Johannesburg, and Randsburg.

Local chairman is Delores Hoffman with Henry Hunnel as her co-chairman. Elementary school chairman is Betty Heflin with Jane Lombardi in charge of elementary exhibit arrangements. High school chairman is Adeline Williams of Burroughs High School with members of the Burroughs High Art Club helping to hang their exhibit. Adult amateur entries are in charge of Darline Hardcastle.

The professional exhibit which does not compete locally will be in charge of Mary Moore and Ann Marie Tucholka. Professional artists who have made application may have their works judged at the county finals to be held in Bakersfield. Judges for the show, from the Kernville area, will be Norma McClure, Dorothy Shaw, and Anthony Ozanich.

### Second Session of LASER Seminar to Be Held Tonight

Physicist Joseph A. Adler and Engineer Stephen E. Barber, both of Code 3522, have collaborated for a discussion at the second session of the seminar on LASERS to be held this evening at 7:30 p.m. in Conference Room A of Michelson Laboratory.

This session will expand on the theme of LASER ranging systems. It will include the range equation and the atmospheric problems, pulse generation, and practical considerations.

Both Adler and Barber have been engaged in work on LASER here since 1962.

The lecture session which was to have been held on April 24 has been deleted and the material related to communications will be included in the lecture on Micro-techniques on May 8.

For further information on the seminar, contact James Mitchell, Ext. 8351 during the day, or 725222 evenings.

### Community Orchestra

The Desert Community Orchestra will present an Ensemble Concert on Sunday, April 12, at 2 p.m. in the East Wing of The All Faith Chapel. The public is invited with no admission charge, but donations will be accepted in any amount for the Orchestra Fund. The program will be performed by the String Quartet and another local Ensemble group.

## SHOWBOAT

FRIDAY APRIL 10  
"MISADVENTURE OF MERLIN JONES" (89 Min.)  
Tommy Kirk, Annette Funicello  
7 p.m.

(Comedy in Color) Disney does it again! Here's a kooky college student, a whiz at science, who accidentally learns to read minds and gets in trouble with everyone including his girl. Fun for all. (Adults and Young People).  
SHORT: "Symposium on Popular Songs" (20 Min.)

SATURDAY APRIL 11  
— MATINEE —  
"ROAD TO HONG KONG" (90 Min.)  
Bob Hope, Bing Crosby  
1 p.m.

SHORT: "Donald's Double Trouble" (7 Min.)  
"Capt. Video No. 12" (16 Min.)  
— EVENING —  
"SHOCK TREATMENT" (94 Min.)  
Stuart Whitman, Lauren Bacall  
7 p.m.

(Mystery Shock Drama) Actor is persuaded to commit himself to mental hospital to do detective work regarding a killer-patient. Not for the "squeamish" - actual shock scene is shown. (Adults and Mature Youth).  
SHORT: "Bear Hugged" (7 Min.)

SUNDAY-MONDAY APRIL 12-13  
"AN AMERICAN IN PARIS" (112 Min.)  
Gene Kelly, Leslie Caron  
7 p.m.

(Musical in Color) Two Americans, an artist and a pianist, live a-la-Bohemian in Paris despite a rich admirer's attempts to sponsor the artist. A classic of Gershwin tunes. (Adults and Young People).

TUESDAY-WEDNESDAY APRIL 14-15  
"LAWRENCE OF ARABIA" (202 Min.)  
Peter O'Toole, Alec Guinness, Anthony Quinn  
4:30 p.m. and 8:30 p.m. Tuesday  
7:00 p.m. Wednesday

(Adventure in Color) Winner of seven Academy awards! The fascinating story of the legendary T. E. Lawrence who led the Bedouins in a fierce, bloody revolt against the Turks on the Arabian desert. Shattering train wrecks and massive battle scenes with thousands of tribesmen, camels and horses make this a DON'T MISS. (Adults and Young People).

THURSDAY-FRIDAY APRIL 16-17  
"PLEASE DON'T EAT THE DAISIES" (111 Min.)  
Doris Day, David Niven  
7 p.m.

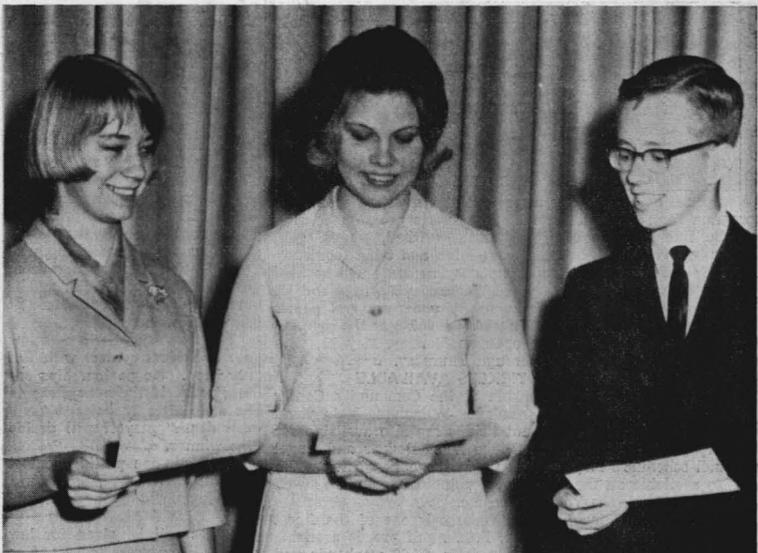
(Comedy in Color) Play the poor drama critic, especially this one who pans a friend's play, gets amorously chased by an actress and can't find time to see his suburb-bound wife. Here's a howl! (Adults and Young People).  
SHORT: "Robin Hoodwinked" (7 Min.)

### 'Lawrence' Screens 3 Times Next Week At Station Theatre

Another big movie attraction is on the program at the Station Theatre next week.

"Lawrence of Arabia," which won seven Academy Awards in Best Picture of the Year class will be screened twice on Tuesday, April 14 — at 4:30 p.m. and again at 8:30 p.m. — and also on Wednesday, April 15, at the usual time, 7 p.m.

The historic Columbia Pictures production stars Alex Guinness, Anthony Quinn, Jack Hawkins, Jose Ferrer, Anthony Quayle, Claude Rains, Arthur Kennedy, Omar Sharif and introduces Peter O'Toole in the leading role of "Lawrence."



YOUTH DELEGATE—Karen Bjorklund (center) holds winner's certificate of her selection as the '64 UN Pilgrimage for Youth delegate. She is flanked by Kris Carlisle, first alternate, and Jim Heflin, second alternate. Delegate will visit UN and New York World Fair.

### Oasis Garden Club's 6th Annual Flower Show Set

The Oasis Garden Club's Sixth Annual Standard Flower Show will be held next Saturday and Sunday, April 18 and 19, at the Community Center.

The show, with "Pioneers, O Pioneers" as its theme, is being arranged by a committee led by Mrs. P. W. K. Dietrichson.

For the first time in history, the show will have three divisions for flower arrangements. They are (1) Novice, for those who have never won a blue ribbon in a standard flower show; (2) Amateurs, those who have won one to four blue ribbons; and (3) Advanced Amateurs, those who have won more than four blue ribbons.

Schedules are available at the Community Center, Station Library, Kern County Library and the Gift Mart in Ridgecrest.

Entry forms with fee of 15 cents may be submitted to Mrs. Oliver Wilkerson, 132-B Independence, China Lake, or to Mrs. Dietrichson, 319 Haloid Road, Ridgecrest. Their phone numbers are NOTS Ext. 725113 and FR 5-2601, respectively.

### Art Professor Will Speak at WACOM Luncheon Tuesday

Dr. Martin P. Mack will be the guest speaker at the WACOM luncheon on Tuesday, April 14. Dr. Mack has chosen "Modern Art: A Method of Attack" as the subject of discussion.

Dr. Mack is Assistant Professor of Art at Los Angeles State College and Evening Instructor in Drawing at Los Angeles City College. His painting and drawings have been exhibited throughout the nation.

This is the last WACOM luncheon of the year. On the business agenda will be the election of officers. Reservations should be made with Pat Hodson Ext. 723943, or Naomi Soifer, Ext. 723734, by tomorrow.

### Pebble Pups to Go to Last Chance Canyon

Valley Pebble Pups will meet at Hart's Place on Highway 6 at 9:30 a.m. Saturday for a field trip to Last Chance Canyon.

### Karen Bjorklund Named '64 UN Youth Delegate

Karen Bjorklund, 16, daughter of Mr. and Mrs. R. W. Bjorklund and a junior at Burroughs High School, was selected Tuesday evening as delegate to the United Nations Pilgrimage for Youth this year.

Named as first alternate and second alternate were Kris Carlisle, 16, and Jim Heflin, 17, also juniors at Burroughs.

Sponsored by the Sovereign Grand Lodge and International Association of Rebekah Assemblies of the Independent Order of Odd Fellows, the local program was coordinated by the Desert Oasis Lodge No. 491 and Desert Primrose Rebekah Lodge No. 412.

Pilgrimage candidates are judged on the basis of scholarship, leadership, interest in world affairs, community activities, and on character and personality.

In addition, they take a competitive examination on the United Nations and participate in public speaking contests to qualify.

### CROSSWORD PUZZLE

Crossword puzzle grid with clues for Across and Down. Includes answers to previous puzzle and publisher information: Distr. by United Feature Syndicate, Inc. For Use in Authorized Service Newspapers Only.

# Crashed VX-5 Plane Found - No Survivors

## Nine-Day Search Ends on Ridge Near Mt. Langley

The wreckage of Air Development Squadron Five's C-45 twin engine Beechcraft which had been missing since Tuesday, March 31, was sighted Wednesday at noon on a rugged ridge three miles south of Mt. Langley.

After positive identification of the craft, the crew of a rescue helicopter which landed near the site reported there were no survivors. Next of kin have been notified.

Victims of the crash which occurred during a return flight to China Lake from Lemoore NAS were the pilot, Air Force Major Thomas R. Brock, 40, and three Navy airmen, Hobart C. Hale, 19; Edward L. Taylor, 19, and Clarence E. Yates, 20.

Memorial Services will be conducted by Chaplain Robert Fenning today at 10 a.m. at All Faith Chapel.

The missing plane was first sighted at the 12,500-foot elevation of the High Sierra by LCDr. George Myer, flying an A4 Skyhawk from VX-5.

Bodies of the victims were returned to China Lake by helicopter late Wednesday afternoon.

For nine days an intensive air and ground search operation had been hampered by severe weather. Navy, Marine, Air Force, Army, Civil Air Patrol, Forestry Service, Kern County Sheriffs Department and other civilian units took part in the operation led by Jack W. Hough, NAF commanding officer; Cdr. Jack Manherz, CO of VX-5, and Air Force Major T. L. Crull, search base coordinator.

Airman Hale's parents are Mr. and Mrs. Creighton Hale, 8104 Revere St., Rockford, Ill.; Airman Taylor's folks are Mr. and Mrs. Slayton M. Taylor, 321 W. Chansler Ave., Richmond, Calif., and Airman Yates' parents are Mr. and Mrs. James E. Yates of R. R. 1, Manchester, Ohio.

Major Brock is survived by his wife, Rosemary, and three children, Kristen, 6; Loren, 4, and Curtiss, 2, who reside at 57-A Stroop Ave. on the Station.

ROCKETEER FROM UNDER THE SEA TO THE STARS

Vol. XIX, No. 14 NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIFORNIA Fri., April 10, 1964

# To Honor Dr. McLean On 10th Anniversary As Technical Director



DR. McLEAN packs VIP case on April 17, 1954, the day he was named NOTS Technical Director. Succeeding him as Head of Aviation Ordnance Dept. was Dr. Newt Ward, holding pen and pencil set presented to Dr. McLean by AOD personnel. Case was gift, too.



PRESIDENTIAL AWARD presented to Dr. McLean for Distinguished Federal Civilian Service. (Other Photos, Page 3)

### Recall Awards For Sidewinder, Other Projects

Dr. Wm. B. McLean's tenth anniversary as Technical Director of the U. S. Naval Ordnance Test Station — a decade of research and development — will be observed here next Friday, April 17.

In these 10 years he has won some of the most distinguished awards possible. They include the maximum Federal Government Award of \$25,000 for the development of the Sidewinder air-to-air missile (1956), the Naval Ordnance Test Station's L. T. E. Thompson Award (1956), a resolution of Commendation by the California State Legislature (1957), the President's Award for Distinguished Federal Civilian Service (1958), and the American Ordnance Association's Blandy Gold Medal (1960).

Capt. Charles Blenman Jr., ComNOTS, said: "As Technical Director of the Naval Ordnance Test Station during the past ten years, Dr. Wm. B. McLean, one of our country's truly great scientists, (Continued on Page 3)

### Carrier USS Hornet Wins Battle 'E' Award in Competition

The aircraft carrier USS HORNET has won a NAVAIR-PAC Battle Efficiency Award for the Competition Cycle 1962-64.

The Hornet won the Departmental "E" award in the Air division of the competition.

Capt. John I. Hardy, USN, skipper of the carrier, was named recently to relieve Capt. Charles Blenman Jr. as ComNOTS. The ship's Executive Officer, Capt. Robert R. Yount, will succeed Capt. Jack W. Hough as Commanding Officer of the Naval Air Facility here. In a dispatch to all winners, VAdm. P. D. Stroop, ComNavAirPac, said, "Exceptionally fine performance turned in by all ships and all may be proud of their records. Well done to all hands and congratulations."

# Local Inventors Receive Patent Awards



PATENT AWARDEES—Capt. Leon Grabowsky, Station Executive Officer (left), and Peter H. Firsh, Station Patent Counsel (right), met with NOTS inventors last Friday for a patent awards ceremony. Recipients (l-r) are William A. Gey, H. Powell Jenkins Jr., George R. Lewis, Dr. Martin H. Kaufman, Dr. Ronald A. Henry, Ray A. Miller, Stephen H. Herzog, Ronald F. Vetter, and James L. Vanover. Not present for his award and a \$100 check was Dr. Wm. B. McLean.

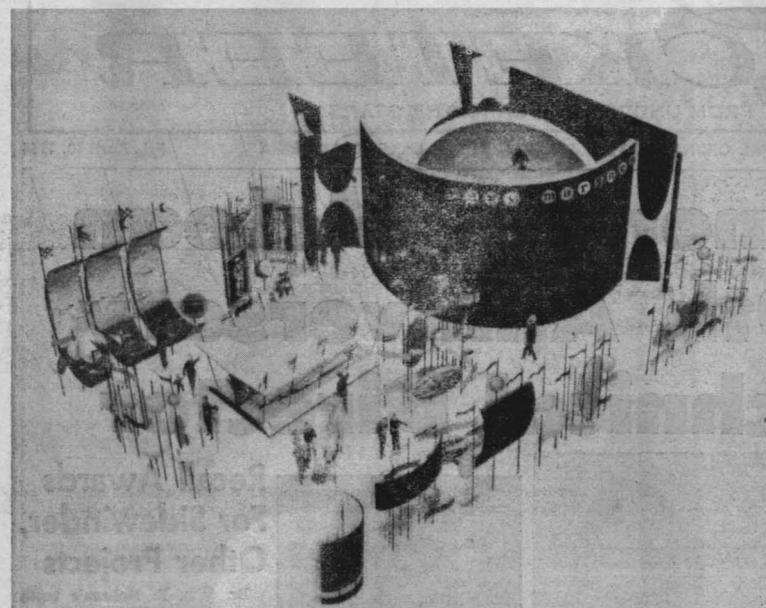
Nine Station employees were present to share the patent award spotlight last Friday when Peter H. Firsh, Station Patent Counsel, and Capt. Leon Grabowsky, Station Executive Officer, presented them with patent awards.

Of ten Station inventors, five were issued patents, three received notices of allowability, and six received additional award recommendations.

Allowability Notices Notice of allowability was granted to Dr. Wm. B. McLean, accompanied by a \$100 check, for his invention of an automatic and self-contained navigation system for a space vehicle which contains tracking and propulsion means for following a collision course with a chosen target body. Dr. Ronald A. Henry, Recipient (Continued on Page 2)

Form with fields for 'From', 'TO', and 'PLACE STAMP HERE'.

# Navy Features Unique Device at World's Fair



NAVY-MARINE CORPS exhibit at New York World's Fair will include "Cine-Globe Cruiser" at upper right and curved movie screen visible over theatre backwall.

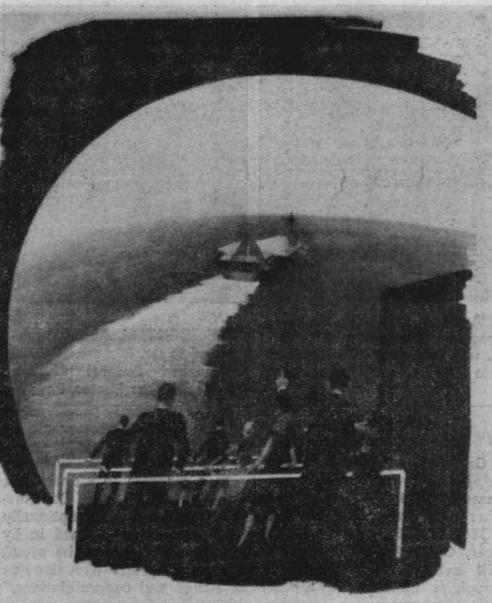
## 'Cine-Globe Cruiser' Uses Special Lens

The Navy has unveiled a unique training device to be used as a vehicle to portray in motion pictures the Navy and Marine Corps in action at the New York World's Fair, opening April 22.

Called the "Cine-Globe Cruiser," the device uses a special wide angle lens to capture such events as a fast Navy jet landing on the deck of an aircraft carrier as seen from the pilot's point of view; a nuclear submarine submerging and firing a Polaris missile as seen from underwater; Marines "hitting the beach" in amphibious assault as seen close-up by the fighting Marines, themselves.

**'Balance' for Spectators**  
Movies exposed through the Cine-Globe lens and projected through a similar lens onto the concave surface of a large hemispheric screen give the audience the sensation of being "in the picture" and actually taking part in the action. Accompanying sound effects heighten the feeling of reality, which is so nearly achieved that handrails are needed to steady the balance of the spectators.

The World's Fair will be the first occasion on which the Navy has publicly displayed this surprisingly realistic device in action. Cine-Globe was developed by the Navy during World War II as a synthetic trainer to sharpen the aim of its aerial gunners. The special lens covers the extremely wide angle of 142 de-



AUDIENCES will feel they are actually at sea as they watch action movies; some will use handrails to keep "balance."

grees, almost matching the field of vision of the human eye and filling the spectator's view with the action.

**Models, Murals, Movies**  
Also to be represented in the colorful Navy-Marine Corps exhibit will be located in the Transportation and Travel Pavilion. The overall theme of the exhibit will be "The Navy-Marine Corps Team Around the World."

In addition to this exhibit, the Navy and Marine Corps are arranging to be represented at the Fair by several of their most famous bands, drill teams, and performing units.

## New School District Phone Numbers

On Monday, April 13, the China Lake Elementary School District telephone numbers will change. It is recommended that the below list be inserted in the front of your phone directory or such other location where easy reference to it may be made. The new numbers will appear in the July edition of the Station Telephone Direc-

OFFICE	TEL. NOS.
District Office	FR 8-4641
Grove School	FR 8-2061
Murray School	FR 8-2261
Richmond School	FR 8-2151
Rowe School	FR 8-4571
Vieweg School	FR 8-4181
Maintenance Office	FR 5-4092

## French Educator Will Address Language Circ

Gabriel D. Donno, professor of French Literature at UCLA, will be the featured speaker at the monthly dinner meeting of the "Cercle de Langue Francaise" to be held in the Executive Dining Room at the Officers Club at 7:30 p.m., Thursday, April 16.

# New Plea by President For Federal Pay Hikes Sent to Congress Leaders

President Johnson has urged Congress to enact Federal employees pay raises this year even if it decides to put off action on congressional salary increases.

In a letter to House Speaker John McCormack (D. Mass.), a copy of which was sent to Sen. Carl Hayden (D. Ariz.), president protomorphe of the Senate, President Johnson said that failure to act on Federal pay hikes will deprive government workers of reasonable salary adjustments, hurt Civil Service recruiting and impair efforts to achieve government economy.

The President's letter was sent less than a week after the House defeated a pay bill which included \$10,000 raises for members of Congress as well as increases for Federal workers and agency executives.

**Points to Congress Raise**  
Defeat of the bill was attributed to the provision calling for congressional raises.

President Johnson noted that the Federal pay law passed in 1962 calls for government salaries to be comparable to private enterprise rates.

He said this principle would be "undercut" if no raise is voted this year.

Following is the text of President Johnson's letter to McCormack:

"I urge the House to reconsider and approve legislation to increase pay levels of government employees. If the pay raise is not enacted, it will:

Deprive 2 million Federal workers of fair and reasonable pay adjustments.

"Make it difficult to recruit and retain top-flight men and women.

"Impair my efforts to achieve true economy in government. Specifically, failure to take this action will:

"Undercut the principle and the promise of comparable pay — Federal career pay scales comparable to those in private enterprise — adopted by the Congress just a year and a half ago in the historic Federal Salary Reform Act of 1962.

"Make it harder than ever to recruit and hold the outstanding people we need for our top policy jobs. They already earn less — often far less — than they did earn, or could earn, in private jobs. This salary gap has been growing. The proposed bill will not close it. But it will reverse a dangerous trend.

"Jeopardize increases in military pay which I have recommended to keep Armed Forces pay generally in line with non-military salaries.

"Renew pressures for the old approach of flat percentage increases for postal and other career workers. Such increases destroy a fair and rational pay system.

agers — who can tighten organizations, simplify procedures, trim waste, and inspire maximum effort.

"It is false economy to offer salaries that will attract the mediocre but repel the talented. Business, foundations, universities, state and local governments are all learning the lesson — or already have.

**'To Attract Ability'**  
"If congressmen feel they should postpone increasing their salaries until next year, even though they are most deserving of an increase in pay, there is no reason to postpone equitable and just action for others who serve the government and the nation.

"I need your help in my program to get a dollar's worth of value for every dollar's worth of pay — and the dollars paid to attract brains and ability to the Federal Service will come back to the American people many times over in more economical and effective government."

## Patent Awards . .

(Continued from Page 1)

search Department, received a notice of allowability and a \$100 check for his process of synthesis of vinyltetrazole monomers.

**Dr. Martin H. Kaufman**, Explosive Development Department, was awarded a \$100 check and allowability along with co-inventor Peter L. Stang, who has terminated, for their invention of a higher density impulse solid propellant.

**Patent Awardees**  
Patent Awards were granted to the following:

**George R. Lewis**, Aviation Ordnance Department, for a semi-conduct trigger circuit for use in detecting the change of state of a magnetic amplifier-type switching circuit, which is stable over a wide range of operating temperatures. He received a \$175 check.

**James L. Vanover**, Engineering Department, for an improved pyrotechnic delay and actuating means for sterilizing or de-arming a missile before ground impact should it miss an air target. He collected a \$175 award.

Co-inventors **Ronald F. Vetter**, and **Ray A. Miller**, Propulsion Development Department, and **Stephen H. Herzog**, Engineering Department, divided a \$250 check for their invention for a plastic rocket nozzle which may be bonded to a composite propellant grain. It is resistant to thermal shock and eliminates the thermal load on the nozzle closure.

**William A. Gey**, Propulsion Development Department, and **Robert W. Van Dolah**, who has left the Station, for explosive compositions having an increased density and explosive power desensitized to mechanical shock.

**H. Powell Jenkins Jr.**, Propulsion Development Department, and **William Cohen**, who has terminated, for a unitary missile propulsion system having greater range capability than propulsion systems of comparable weight and size.

"Congress and the country surely support my determined drive for economy in government. I need first-class man-

# SPORTS SLANTS



By CHUCK MANGOLD

Special Services offers a varied and interesting recreation program for station personnel. The sports program consists of the following: football, basketball, softball, tennis, golf, swimming, volleyball, bowling, badminton and table tennis.

The badminton and table tennis tournaments will be held at the station gym on Tuesday and Wednesday April 14 and 15. The volleyball tournament is currently underway and games are played each Monday and Thursday evening at the gym.

The softball season will open on Monday, May 11, with two games a night Monday through Thursday.

**MANY DISCOUNT TICKETS AVAILABLE**  
Discount tickets are available at the Community Center building for Disneyland, Marineland, Palladium, Melodyland and the Ivar Theater. Discount tickets are also available for military personnel to the San Diego Zoo. Dodger and Angel baseball schedule's may be picked up at the desk. Information is also available on the many local points of interest as well as the Southland, Las Vegas, Reno etc.

The 18-hole China Lake golf course is one of the finest in the southland. Paul Somson, P.G.A. golf pro, is available for lessons. Green fees are \$3.00 daily, \$5.00 weekends and holidays, and monthly membership dues are \$8.00 for a single person and \$12.00 for a family membership.

The China Lake Bowling alley is open daily from 3 p.m. to 11 p.m. The cost of bowling is 35 cents a line and shoes rent for 10 cents a pair.

**HOBBY SHOPS — GEAR TO CHECK OUT**  
The woodworking hobby shop is open Wednesday, Thursday and Friday evening from 6 to 10 p.m. Saturday hours are 9 a.m. to 5 p.m. Sunday hours are noon until 5 p.m. All station residents may use this facility. Membership dues are \$1.00 a year. Model planes, cars, trains, leather and art craft are among the many items for sale.

The equipment issue room is located in the southeast corner of the station restaurant building. Military personnel may check out tents, stoves, lanterns, cots, ice chests, sleeping bags and fresh water rods and reels. Organized sports teams may check out athletic gear. The issue room is open on Monday, Tuesday, Thursday and Friday from 11 a.m. to 1 p.m. and 3 to 5 p.m.

The ceramic hobby shop is for use of military personnel and their dependents. This is one of the best equipped shops of its kind in the Eleventh Naval District. The hours of operation are Monday, Wednesday and Thursday from 5 to 10 p.m. and Tuesday and Friday from noon until 5 p.m. Each second and fourth Thursday a qualified instructor is on hand to give free lessons.

## Scene and Heard

(AFPS Weekly Feature)

The surprising number of Armed Forces members taking up the sport of curling must have as tough a time learning the sport's terminology as they do handling the equipment.

Not only do they push around 42-pound stones and wield funny-looking brooms, they must become familiar with an elaborate signaling system and know terms like in-turns, out-turns, takeouts, sweepouts, skip and pebbling, just to mention a few.

Curling resembles deck shuffleboard, only the pucks are king-sized and the game is much more scientific.

The game is played on an ice rink. Each team has four players and each team member delivers two stones, alternating with a member of the other team. Points are awarded to the team with stones inside a large circle and closest to the center of a small inner circle.

After all players on both teams have made their deliveries to complete one end (round) of play, one point is awarded for each stone inside the opponents' closest stone. The number of ends played in a game is decided before play begins but is usually from 8 to 10, except in championship play when 12 ends are most frequently played.

But that's not the half of it. Properly played, curling leaves no stone unturned. In this game precise spin on the puck-shaped stones — which have handles by which they are sent sliding — is of great importance. Spinning is necessary to get position by curving a stone around other stones and accounts for the terms in-turn, out-turn and take out.

Players man brooms to frantically sweep out a path in front of a spinning stone as it travels toward the circles. This causes static electricity on the ice, giving the shot greater distance. Pebbling is spraying a mist of water over the ice to make the surface faster.

The skip is the team captain who calls the plays. He does this with hand and broom signals after he surveys the situation to see if a teammate should set up a block or try to get in closer.

Curling originated in Scotland and today is a sport of national proportions in Canada. Like the glacial flow during the Ice Age, curling is drifting down into the northern United States. Curling clubs are springing forth in cities like Portland, Me., Seattle, San Francisco and Duluth, Minn.

In Maine and Minnesota, several U.S. military installations have opened curling rinks. At the Air Force radar site, Finland, Minn., it is reported that "some 70 to 90 percent of personnel and dependents" participate in the sport.

Finland reports that the gals are taking an active interest in the game, but since the sport is called curling it's only natural.

# Adm. Stroop Golf Tourney Next Saturday

Local golfers are casting an optimistic eye at the weatherman as they prepare for the fourth annual Vice Admiral Paul D. Stroop tournament to be held next Saturday, April 18.

Originated in 1960, the tournament honors VAdm. Stroop, who was Station Commander from Oct. 1952 to Aug. 1953, and is presently Commander, Naval Air Forces, Pacific Fleet.

The tournament will be a low net individual contest with full handicap. No partnerships are involved. If there happens to be a tie after 18 holes, a "sudden death" playoff will decide the winner.

A hole-in-one putting contest will also be held. Winners will be determined by a point system.

Prizes will be given for low net and low gross scores. The low net winner will receive a trophy and in addition have his name engraved on the permanent trophy along with past winners.

Entry fees are \$2. Charge for the buffet luncheon is \$1.50.

## Local Bowmen Score in Pow Wow At Bakersfield

Ken Bryant of the China Lake Bowmen won first place in the Men's 325 Class, Patti Beyer took second in the Women's 225 competition, and Marge Lyon came home with first place honors in the Women's 175 Class as the local archers took part in the annual Pow Wow on the Kern County Archery Range in Sunday.

Among the competitors were past and present national champions.

A special money shoot held Saturday night at the Hacienda Hotel was won by John Loper.

## Pony-Colt and Little Leagues Need Umps!

A desperate need exists for civic minded individuals to offer their services, at a small fee, as umpires in the Pony-Colt and Little League aboard the station. The absence of previous umpiring experience is not disqualifying since an instructional clinic is available.

Call Ext. 71613 or 72951 and leave your name.



CURVACEOUS Jeanette DuBois, destined for big things along Broadway, is often called the "actress with many faces."



BILL FALLGATTER, though baseball season is just around the corner, gets in some practice on Greenhorn slopes.

## Weekend Trip Slated by Jr. Skiers to Onion Valley

Weather permitting, the Indian Wells Valley Junior Ski Club is planning a one-day trip to the 9,000 ft. Onion Valley near Independence this weekend.

Members wishing to make this trip should contact Mr. and Mrs. Paul Driver, Ext. 725082, in order to learn whether the trip will be made on Saturday or Sunday.

**Final Trip April 17-18**  
The Drivers also announced plans for what is expected to

be the final trip of the spring season to the Mammoth Lakes and June Lake ski area for the junior skiers on the weekend of April 18-19.

Reservations for this trip must be received no later than 7 p.m. today.

Because of the limited number of accommodations, reservations will be taken only from Junior Ski Club members and parents who can provide automobile transportation, the Drivers said.

**Meeting Tuesday**

The next meeting of the Club will be held at 7:15 p.m. Tuesday in Room L-31 at Burroughs High. Color movies taken on previous ski trips will be shown.

## SCUBA Tests At Station Pool Sat.

Special underwater tests for skin divers and written examinations will be conducted at the Station Pool Saturday, starting at 8:30 a.m. for those who wish to qualify for a Los Angeles County SCUBA diving card.

Examinations will be conducted by Clint Degen, head of the underwater aquatics unit of the LA County Recreation Dept., assisted by members of the local Sage Sharks Diving Club.

Degen pointed out that many SCUBA shops require customers to have a SCUBA diving card before they will rent them diving equipment or fill SCUBA tanks.

Col. John D. Craig, writer and actor associated with the TV series "Danger Is My Business," will be at the Station pool during the tests.

Persons not members of the Sage Sharks who are interested in taking the tests are asked to call Mrs. Dick Frederick, FR-5-2758 or Harry Porter Jr., Ext. 72841, for reservations. Saturday, April 18, the Sage Sharks will make a diving trip to Santa Barbara.

## To Conduct Course In Water Safety

A Red Cross water safety instructors' course, designed to teach the fundamentals of swimming and teaching techniques, will be conducted at the Station Pool next Tuesday, April 14, from 7 to 9 p.m., Chairman Marie Newman announces.

The first half of the course will be taught by Sara Valdivia and the second half by Carol Chatterton. The instruction is open to those who hold a current lifesaving certificate.

For more information, call Marie Newman at Ext. 723132.

## Winning Scores in CL Bowling Assn. Championships

The Station Restaurant kepters won first place in the team standings in the 13th Annual China Lake Bowling Association Championships held last month. A compilation of the records was completed this week.

**First place in the doubles** was won by O. Davis and D. Pearl; **best in the singles** was John Dragovich; **Floyd Wegley** was tops in the All Events division, and **Jim Poore** was victor in the Scratch All Events.

Following are the official standings for the first three places in the five events.

Team Standings w/h Total Pins	
1. Station Restaurant	2933
2. Spare Timers	2929
3. Playboys	2927

Doubles	
1. O. Davis-D. Pearl	1246
2. A. Bodner-J. Kokosenski	1239
3. W. Camwell-F. Wegley	1233

Singles	
1. John Dragovich	714
2. Tom Short	694
3. R. Suckles	688

All Events	
1. Floyd Wegley	1922
2. Frank Holley	1896
3. Russ Halcomb	1867
Scratch All Events	
Jim Poore	1735

## Rug Club Open House

A demonstration of techniques in rug hooking will be presented by approximately 25 members of the Indian Wells Valley Rug Club when it holds an open house meeting next Wednesday, April 15, at the Parish House on the corner of Blandy and Hussey.

### Twenty Years



DR. J. W. HOYT, Head, Propulsion Division, UOD, is congratulated by Capt. G. H. Lowe on completion of 20 years federal service — 4 years with the National Advisory Committee for Aeronautics, and 16 years with NOTS Pasadena. It is significant that during Dr. Hoyt's career at NOTS he has continued his education earning the MS degree in 1952 and his PhD degree in 1962. Dr. Hoyt is also commended for bringing credit and prestige to the Station by making findings in the field of underwater propulsion widely available in technical reports, articles in scientific journals, and papers presented at professional meetings.

### Ships for '6'



ROBERT SANDVILLE, Ship Serviceman third class, signs his shipping articles as Lt. (jg) L. J. Tritz, Sea Range Operations Officer, NOTS approves. Sandville is currently stationed at San Clemente Sea Range where he is assigned to the Navy Exchange. Prior to his arrival at NOTS, he served on the USS MERRICK (AKA 97) for more than six years. Sandville resides in Los Angeles with his wife, Lela, and three children — Robin 6, Robert, Jr. 5, and Patrice 4.

### Lt. (jg) R. Bell Reports As Asst. Diving Officer

Lt. (jg) Robert F. Bell reported aboard last week to assume duties as Assistant Diving Officer. Duty just previous to reporting to NOTS was aboard the USS CURRITUCK (AV7) where he served two years as Diving Officer.

Born in Cleveland, Ohio, he attended Bowling Green University from which he received a B.S. degree in Business Administration.

Lt. (jg) Bell entered the Navy in 1961 at Officer Candidate School, Newport, Rhode Island. He attended the U. S. Naval Deep Sea Diving School in Washington, D.C., where he was designated NOBC 9314 Ship's Salvage Diving Officer.

He and his wife, Julie, reside in Long Beach.



LT. (jg) ROBERT F. BELL

### Save the Date!

All NOTS employees, contractors, their spouses and dates are invited to spend a glorious evening at the glamorous Glendora Palms on Friday evening, May 15.

The event is the spring dance sponsored by the NOTS Em-

## NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638



CAPTAIN J. E. HAMMERSTONE (left), representing the Navy Department's Special Projects Office, presents the Polaris Submarine Flag to NOTS Pasadena officials (l-r) D. A. Kunz, Polaris Project Manager; D. J. Wilcox, Assistant Technical Director of Development (Weapons Systems) and Head of the Underwater Ordnance Department; and Captain G. H. Lowe, Officer in Charge.

### Polaris Submarine Flag Presented at Pasadena Annex

In ceremonies witnessed by more than a hundred employees at NOTS Pasadena on April 1, presentation was made of a Polaris submarine flag.

"This flag represents a badge of membership in a unique and vital team dedicated to defense of our country and preservation of peace," said Captain J. E. Hammerstone, representing the Director of Special Projects, as he made the presentation.

The flag will fly in front of the laboratory under the U.S. flag as a visual reminder that NOTS is at work on the nation's number one deterrent weapon system — Polaris.

The flag was accepted on behalf of NOTS by Captain G. H. Lowe, Officer in Charge, NOTS Pasadena.

Also participating in the ceremonies were D. J. Wilcox, Assistant Technical Director of Development (Weapons Systems) and Head of Underwater Ordnance Department; D. A. Kunz, Polaris Project Manager at NOTS; key personnel in the program, and employees involved in all phases — supply, public works, and other technical and support areas.

NOTS Pasadena's role in the program has been in the underwater launch phase, while concurrent effort has been carried out at China Lake in the fields of static firing, propellant safety and other research and development tasks.

**Milestones Outlined**  
Speaking for the Polaris underwater launch team at Pasadena, D. A. Kunz, Project Manager, outlined the milestones of the program:

In 1957, NOTS was assigned by the Special Projects Office of the Navy Department the task of building an underwater range to evaluate the POLARIS system. A full-scale underwater launch program was conducted at San Clemente Island.

In a four-year time scale, with over a hundred tests, the integrity of the missile and launch systems was demonstrated.

**First Test Shot**  
Acting as Technical Advisers to the Special Projects Office, NOTS Pasadena provided advice to the adequacy of system components and modifications necessary.

In June 1958, a dummy POLARIS ballistic missile was fired from underwater at NOTS San Clemente Island Test Range for the first time. It rose into the air about 100 feet then angled over and plunged back into the water.

In preparation for testing of new thin-skinned missiles, the type that would be operational when the atomic powered submarines were ready, a Fishhook barge was added to the range. Measuring 186 feet from the water to the top point, the Fishhook would be used to catch dummy missiles in the air so they could be recovered without damage and reused, thereby saving millions of dollars of taxpayer investment in missiles. Fishhook became operational in April 1959.

**Translator-Launcher**  
The finale of 1963 testing at San Clemente Island range was ushered in with the installation of a translator/launcher complex enabling study of missile firings under moving conditions.

**Further tests in the program involved heavy cruisers. Running close in-shore at top speed, eight-foot waves were generated to simulate heavy seas in the open ocean — another factor submarines would face in actual firing conditions.**

September 1959 — and operational at the Station's Pasadena location was a large testing tank, used for testing of 1/5 scale POLARIS models. POLARIS components, scaled down to 1/5 size, were fired here providing data for comparison with full-scale effort at San Clemente Island to solve problems as they arose and to evaluate advanced systems.

**First 'Live' Launch**  
In April 1960, more than 60 full-scale inert dummy missiles had been launched at San Clemente in Operation POP-UP and

Fishhook. Newsmen throughout the country gathered at San Clemente Island to view the first underwater live launch of POLARIS. During about five seconds of powered flight, the test vehicle followed a programmed arc to a height of about 2000 feet, from which it fell in the seas as planned about one-half mile from the launch point.

The test demonstrated ability of POLARIS to accomplish the transition from underwater launch to controlled powered flight — a major milestone in the development of the Navy POLARIS missile.

In 1961, a variable depth facility became operational for development of advanced POLARIS missiles which could be launched from a wide range of depths. Movable platforms enabled test firing from various depths with high speed trajectory data.

**Translator-Launcher**  
The finale of 1963 testing at San Clemente Island range was ushered in with the installation of a translator/launcher complex enabling study of missile firings under moving conditions.

### Red Cross Fund

Chairman Clinton V. Weaver reports an excellent response to the plea for funds in the recent Pasadena Annex Red Cross Drive. Military and civilian employees contributed a total of \$950.05. The funds were delivered to the Pasadena Chapter of the Red Cross.

## From 'Gadgeteer' to Technical Director

### Laud Dr. McLean On Scientific Accomplishments

(Continued from Page 1)  
has shown the type of technical leadership that best exemplifies the execution of the Station's mission. The outstanding accomplishments of NOTS in the fields of weaponry have made it preeminent among government laboratories.

"In the expanding field of science he has devoted himself unswervingly to those ideals that inspire the highest quality of creativity, confidence, and motivation among his associates.

"Naval ordnance through science is the philosophy back of China Lake's contributions to our nation's defense. Under Dr. McLean's able direction, our research and development programs continue to gain in prominence and effectiveness."

NOTS employees, understandably proud of their association with Dr. McLean since he first began work here in 1945, planned an informal gathering to honor him for his accomplishments as well as for his personal friendship.

The ideas which led to the world-renowned Sidewinder missile began to evolve when Dr. McLean was working for the Bureau of Standards. He was then providing consultant services on the gyro-control system for the BAT missile.

**Keep It Simple**  
Dr. McLean, always a stickler for simplicity in design — even as a youth when he built a canoe out of bows from touring car tops! — battled the "complication" problem when the Sidewinder project was established here in 1951. And this is what he stressed when the NOTS team went to work with him in the project.

The result is now history, written in the air battles over the Formosa Straits in Sept. 1958 when the Chinese Nationalists blasted Red Chinese Communists' MIGs from the skies.

Sidewinder is the only American air-to-air missile ever used in anger in actual military combat.

And since then, improvements are continually being developed for the famous supersonic missile.

Probably the most memorable date for this accomplishment is January 27, 1958. In the Cabinet Room of the White House in Washington, then-President Dwight D. Eisenhower conferred the President's Award on Dr. McLean. He was one of five men to receive the gold medal for the first time under a program authorized by Congress in 1954. Proudly watching the ceremony were Dr. McLean's wife, LaV, and their son, Donald.

Since then, under the Technical Director's supervision, teams of NOTS scientists and engineers have made further strides in ordnance research, developing and testing: Zuni, RAT, RAPEC, Caleb, Polaris, ASROC, SUBROC, Shrike, the EYE weapon series, and many others.

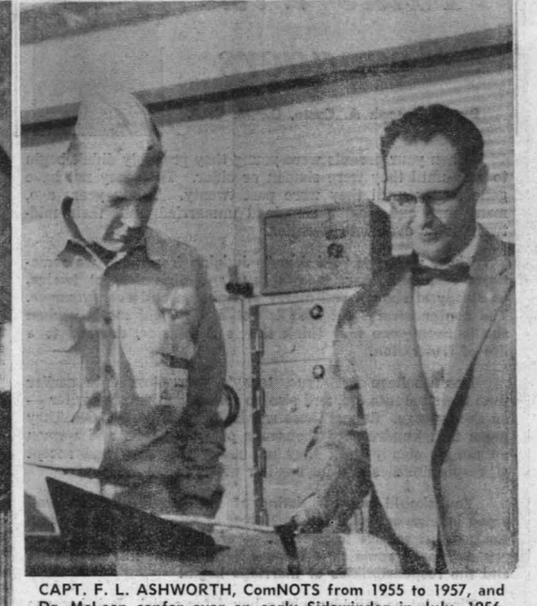
But despite these amazing accomplishments, so necessary for the defense of this nation's security, a deep feeling of personal pride probably still grips Dr. McLean when he remembers that canoe made out of touring car parts.

### OPPORTUNITIES WON

Difficulties mastered are opportunities won. — Winston Churchill



**BIG DAY** — January 27, 1958 — at the White House in Washington. President Dwight D. Eisenhower congratulates Dr. McLean after presenting him with Award For Distinguished Federal Civilian Service. In center is then-Under SecNav W. B. Francke.



CAPT. F. L. ASHWORTH, ComNOTS from 1955 to 1957, and Dr. McLean confer over an early Sidewinder in July, 1956.



**'HOMEWORK'** — Early Sidewinder team conferring at the McLean home in 1957 are (l-r) Dr. W. B. LeBerger, Dr. Howard A. Wilcox, Dr. and Mrs. McLean, and Dr. Newt Ward. In foreground are Don and Mark McLean.

### AOA Medal



AMERICAN ORDNANCE ASSOCIATION conferred the Blandy Gold Medal on Dr. McLean in May, 1960. At ceremony are (l-r) Maj. Gen. Edward P. Mechling (Ret.), AOA's Staff Director for Technical Operations; Dr. McLean, and H. G. Wilson, then-president of the China Lake AOA Post and NOTS Associate Technical Director, holding the Gold Medal.

### SCUBA Enthusiast



SCUBA DIVING suit and mask designed by Dr. McLean were given a submergence test by his wife, LaV, at the Station pool in November, 1956, while sons, Don and Mark, watched.

CHAPLAIN'S MESSAGE

Talks With Teenagers

By Fr. Joseph A. Costa, O.F.M. CAP.



When your parents were young they probably didn't begin to date until they were sixteen or older. They may not have gone steady until they were past twenty. Thirty years ago, many men and women remained unmarried until their mid-twenties or even late twenties.

Those were the "old days." Judging from what we sometimes read and hear, today's boys and girls date at twelve, go steady at sixteen and marry at eighteen and even younger. The contemporary girl who is not a wife and mother when she is twenty-one may think she is a spinster, doomed to a life of frustration.

Don't believe it. True, today's youngsters date earlier than their parents did, and also go steady and marry earlier — on the average. Repeat those words ON THE AVERAGE. They mean that hundreds of thousands of young men and women do not go steady until they are ready to marry and accept all responsibilities of a husband or wife.

You should put off dating at least until you are well along in high school. Kill-joy? Not at all. You will perform the greatest service to yourself — and to your partner, when you marry—if some time elapses before your childhood ends and the responsibilities of marriage begin.

First, let us consider why a boy dates a girl. Is it because they want to discuss batting averages of the big league sluggers? Or because they can play football or make cookies together, or he can help her sew a dress and she can help him repair his bike?

I doubt it. They are not pals. They may not even have much in common. What attracts them is what they don't have in common — the fact that she is a female and he is a male. No matter what anyone may believe, the main thing that attracts a boy to a girl and vice versa is sex. We will pursue the topic further at our next get-together.

NOTS Joins In Homage to Gen. MacArthur

NOTS joined the nation this week in paying homage to the memory of General of the Army Douglas MacArthur whose body will be interred tomorrow in the MacArthur Memorial Rotunda in Norfolk, Va.

Gen. MacArthur died last Sunday in Walter Reed Hospital in Washington, D. C., at the age of 84.

As across the United States, on the high seas, and at all American installations around the world, flags here were lowered to half-mast. They were to remain so, by order of President Johnson, until after the funeral services tomorrow.

Today, at All Faith Chapel on Station, memorial services will be held for Gen. MacArthur at 1 p.m. Chaplain Robert C. Fenning will conduct the services.

Urge Parents Help Plan Party For Burroughs Seniors

Parents of Burroughs High School seniors are urged to attend a meeting Tuesday, April 14, to join in the general planning for a 1964 Graduating Class party.

There are only seven weeks remaining before graduation, and committees must be organized now to formulate plans for the traditional all-night party, annually sponsored by the parents. There are more than 250 seniors looking forward to it.

The meeting will begin at 7:30 p.m. in Burroughs Multi-Use Room.

Mystery Thriller

The eighth film of the China Lake Film Society's 1963-64 season, a German mystery thriller entitled, "A Devil Strikes at Night," will be shown in the Community Center at 8 p.m. next Monday and Thursday, April 13 and 14.

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.

Clerk-Typist, GS-4, Code 7082 — This position is located in the Public Works Department, Maintenance Control Division, Inspection Branch. The primary duties of this position are to perform the necessary typing and clerical duties for the Inspection Branch.

Qualifications: (a) Successful completion of two academic years of substantially full time study in a resident school above the high school level; or two years of appropriate experience; or one year of education as described in "a" above plus one year of appropriate experience (one year at next lower grade).

Automotive Equipment Serviceman, Code 7075 — Services automotive equipment with gasoline, checks oil levels, adds oil, checks radiators, cleans windshields, checks tire pressures, and checks batteries. Lubricates automotive equipment and changes and patches tires and tubes.

Qualifications: Applicants must have had not less than six months of experience as a service station or garage attendant, or laborer in the automotive field, including dispensing gasoline and maintaining records of automobile services; or as an automobile mechanic helper.

File applications for above with Dara Childers, Bldg. 34, Room 32, Phone 719393 or 72032.

Employment Management Relations Specialist GS-230-12, Code 6511 — This position is in the Employee Management Relations Division, Personnel Department. The incumbent will assist the Division in its functions of providing staff services to Station Management, and discharging the Personnel Dept's responsibilities in the areas of labor relations, employee relations, and employee services.

Required experience: Three years general experience in administrative, professional, investigative, technical, or other responsible work which has provided a general background in the field of management. Experience of a routine clerical nature is not qualifying. Three years specialized experience including one year at the GS-11 level.

Applicants must have extensive knowledge of employee relations methods and techniques and an understanding of the functional relationship of this activity to management and to other activities of a comprehensive personnel program. Will also consider filling position at GS-11 level. FSEE or its equivalent required.

File applications for above with Janet Thomas, Bldg. 34, Room 26, Phone 71577.

Library Assistant, GS-3 or GS-4, Code 8552 — Vacancy is located in Station Library. Performs variety of circulation services, including preparation of circulation statistics, cash records, etc. Assists Library patrons in locating books, checks books out, and is responsible for the whereabouts of all books in the library collection. Prepares and sends overdue notices and fine notices.

Qualifications Required: One year of general office-clerical experience plus one year of experience directly related to circulation library work.

Electronic Technician (General), GS-9, PD 17431, Code 8541 — Selects, procures, modifies, fabricates, tests, installs and operates equipment in the Frequency Monitoring Facility as well as auxiliary monitoring units, both fixed and mobile, placed elsewhere on the Station. These facilities provide a continual monitor of frequencies being used by NOTS projects to ensure authorized usage, compliance to frequency tolerance requirements, use of proper circuit procedure and discipline, and security of transmissions.

Qualifications Required: Three years experience in general maintenance and repair of electronic, radio, communications or electrical equipment; plus two years experience in design, fabrication, modification, test and repair of complex electronic equipment.

Ordinanceman (A & E Tech), SS-14 to SS-40 P/B, Code 4037 — Performs a variety of duties in the assembly of missiles and missile components and in the set-up, firing and post-firing cleanup of testing and experimental operation on explosives and missiles.

Qualifications required: Two years experience in general ordnance work plus one year in modification, repair and maintenance of specialized ordnance equipment; or in preparation, set-up, check-out, firing and/or controlling experimental tests or operations of rockets, missiles, explosives and propellants.

File applications for above with Pat Dettling, Bldg. 34, Room 27, Phone 72676.

'Harold's Club' Night Set by CPO Wives

The annual "Harold's Club Night" sponsored by the Chief Petty Officers Wives Club will be held Saturday, April 18, at the CPO Club. Preceding the "Harold's Club" activities will be a buffet dinner, from 5 to 8 p.m. A western band will provide musical atmosphere for the event.

'DESERT PHILOSOPHER'

Juvenile Delinquency

By "POP" LOFINCK



There is so much talk about juvenile delinquency, as if it were very complex, mysterious, unaccountable—defied understanding.

But it's all very simple. There are three contributing factors — all very clear.

In almost all cases investigated by competent psychiatrists, they uncover the prime factor or cause, which is lack of attention or interest on the part of the parents. It is usually the parents who are delinquent not the kids, the authorities claim.

Kids crave attention, which is a perfectly normal, natural human instinct or hunger. If they don't get it one way they will get it another.

DESIRE SINCERE PERSONAL INTEREST

Parents can lavish money on their kids — but that doesn't take the place of a real sincere personal interest. They want to be noticed, recognized.

So they turn delinquent to get attention and express resentment.

It hasn't much to do with social status — rich or poor. Even with corrective discipline I believe the youngster gets a sort of subconscious satisfaction out of attention.

I'm not referring to the parent with a tyrant complex who wants to dominate the family in every detail. That can go to the point where the youngster wants to seek revenge or escape.

I don't like the word punishment — it sounds too vicious. Corrective discipline is a better term — a sort of an accent to memory training, to help the kid not to forget what is good conduct and what is bad.

In many cases the parents are too busy making a living to give proper attention to the kids. Or with affluent mothers and fathers — they are too busy with social affairs.

That's an oddity of our civilization. We have material property, but not enough time to live right. So the kids feel neglected.

As I said before, the prime factor is lack of attention. That the kids crave.

A second factor in delinquency — not related to the first — is the lack of a nature hobby.

MOST NATURE LOVERS NOT DELINQUENT

There is something normalizing about nature — close contact with nature.

Kids who have a keen interest in some form of nature hobby do not go delinquent.

The Boy Scouts and Girl Scouts don't go delinquent. They are great organizations.

Of course there are some rare exceptions when a Boy Scout does go haywire—usually because the Scout Master got the kid too late. And there are some cases with a real psycho streak that should have psychiatric treatment.

It doesn't seem to matter much what this nature hobby is — flowers, rocks, rivers, bugs, trees, snakes, mountains — or what ever.

A good thing about rivers for a hobby is that they can't bring a river in the house. They can't fill the house with rivers as they can do with rocks.

Nature hobbyists don't go for vandalism. They go for conservation and respect of property.

So kids — if you want to be happier, develop a nature hobby — if you don't have one already.

WHAT'S NEEDED IS RIGHT HERE

Here is my punch line, kids — Here at China Lake you are surrounded by almost every form of nature — in your mountains, forests, lakes, desert, etc.

The third critical factor I was going to mention is, fortunately, gradually being eliminated.

I refer to the destructive — so called "comic" books that flooded the news stands a while back.

In very issue somebody was smashing something — destroying something. That constant repetitious suggestion, which is the secret of advertising or selling anything, developed a spontaneous urge to destroy something — if only windows or machinery or burning an old cabin.

We are still reaping the effects of all that destructive selling of vandalism.

WOMEN'S CLUBS TURN THE TIDE

It took the women's clubs all over the country several years to get those books and magazines changed or modified or taken off the news stands: because it was big business — very profitable for the publishers.

But they at last succeeded . . . Bravo!

There are some adult vandals still among us — those who fed on those destructive magazines all during their formative years — who have not yet outgrown or overcome the spontaneous destructive urge. They are still a problem!

WACOM Plans Plantation Party

The Women's Auxiliary of the Commissioned Officers Mess will present a "Southern Plantation Party" at the "O" Club next Friday, April 17.

Enjoy a real Southern Buffet from 8 to 10 p.m., and then a floor show featuring the music of Ronnie Bartley and his Dixieland Revue. The charge is \$5.00 per person. Reservations are limited to 300, so better order yours now .. from Mary Clapp, Ext. 723803; Ditty Riggs, 723012, or the Officers Club, 72265 or 72268.

Ladies, wear your Southern Belle costumes, formal or cocktail clothes, and dance away your blues.

Three NOTS Explosives Accepted for Service Use Propulsion Men Widen Scope for Missilery

By BUDD GOTT

NOTS has achieved another first! Three NOTS-developed high explosives in one year's time have been released by the Navy for service use. As far as is known this is a Navy record and may well be a Department of Defense record.

The new explosives are Plastic Bonded Explosives (PBX) and are designated PBXN-5, PBXN-101, and PBXN-102.

PBXN-5 is used as a booster in the Mark 51 warhead for the Tartar missile, PBXN-101 is the Mark 52 warhead for the Shrike missile, and PBXN-102 in the Mark 54 warhead for the Sidewinder missile.

Inter-Department Effort

The new explosives were developed by the Propulsion Development Department with the inter-department cooperation of the Weapons Development Department and the Engineering Department which is typical of NOTS.

Prime development work for the specialized explosives was done by the Explosives Research Branch, headed by Dr. Harold J. Gryting, under Norm Rump's Explosives and Pyro-

technics Division.

A pioneer in explosives development at NOTS, Dr. Gryting joined the old Explosives Department way back in 1947. He is a graduate of St. Olaf College, Northfield, Minn., and earned his Ph.D. in chemistry at Purdue University.

Original composition development on the explosives was done under the direction of Barbara Stott, Dr. M. H. (Marty) Kaufman did the initial research for the PBXN-5.

Responsible for ballistics measurements was Dr. C. D. Lind. "Chuck" Faltermann did the qualification work on the Mark 54 warhead for the Sidewinder.

Jack Sherman Directs

Loading procedures and loading research was done by the Explosives Application Branch, under the direction of Jack Sherman, a University of Minnesota chemical engineering graduate and a NOTS employee since 1948.

He was assisted by another '47 NOTS pioneer, Bill Osmundsen, a University of Idaho metallurgical engineering graduate.

Cordle has Warhead Task

"It's the warhead that goes 'bang' and does the damage required," remarked Norm Rump. "This important task was assigned to the Weapons Development Department's Warhead Branch.

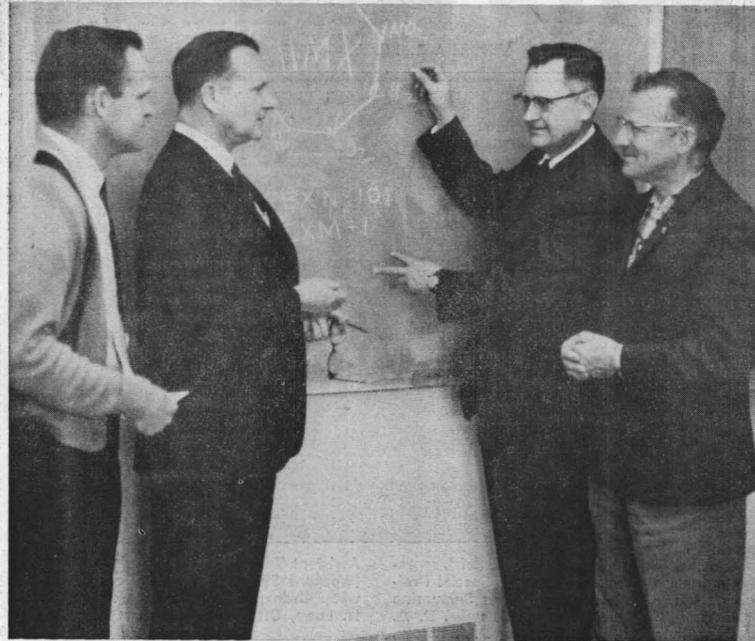
Branch head Paul Cordle, an engineering graduate of Georgia Tech who came to NOTS as a JP in '58, spearheaded this task assignment.

He was assisted by project engineers Dick Dirge and Mel McCubbin, both five year employees at NOTS. Birge is a Purdue University graduate and McCubbin is a Missouri School of Mines graduate.

Engineering effort such as documentation, pilot production, programs, and in-service improvements were accomplished by the Engineering Department.

Grown Since 1954

NOTS has pioneered high explosives development work since the days when Salt Wells was turned over to the Navy from AEC in 1954.



HIGH EXPLOSIVE PLANNERS — Explosive Research Br. Hd. Dr. Harold Gryting, flanked by Jack Sherman, Applications Br. Hd., points out possibilities to obtain effective high explosive to Paul Cordle, Weapons Development Dept., and Norm Rump.



MATRA missile testing continued at China Lake this week with French navy personnel (back row, left-to-right) CPO Joseph Ramonne, Lt. Yves Goupil and CPO Andre Dirand gaining assistance from engineer-technician team (kneeling) John M. Quelven and Paul Escoupe.

Under-Withholding May Bring Tax Woes in '65

Station employees who viewed with pleasure the recent increases in their pay checks may be in for a rude awakening when they prepare their income tax returns next year.

The shock will be due to the fact that technical problems met in introducing lower rates with the year already one-sixth over will result in "underwithholding" for a good many taxpayers.

In other words, the present withholding rate of 14 percent on an employee's gross salary, in most instances, will not cover his tax liability.

Also involved are changes in certain allowable deductions. Among those affected are sick pay exclusion, deduction of certain State and local taxes, and others.

Where these are involved, those itemizing their deductions will be more affected than those who take the standard deduction.

In order to avoid running short of their tax liability for the year 1964, it is suggested

that employees refer to Form 1040-ES (Supplement) of the Internal Revenue Service, which lists new rates and provisions for estimating tax under the Revenue Act of 1964.

These may be obtained by writing to Internal Revenue Angeles, Calif., 90012, until such time as the Payroll Section obtains these forms.

Can Increase Deductions If employees find that the amount withheld will not meet their tax obligations, they can reduce the number of exemptions claimed to bring the amount of deductions up to the estimated tax.

Employees with "O" exemptions who wish to have additional money taken out of their pay checks may request the Payroll Office to increase withholding in increments of \$5.

Station Signs Agreement With Fire Fighter Local

Station Commander Capt. Charles Blenman Jr. signed the written agreement negotiated between Local F-32 of the International Association of Firefighters AFL-CIO and the Station last Friday.

The firefighters gained Exclusive Recognition under Executive Order 10988 last March to represent all Fire Fighter per annum employees at China Lake with the exception of the Fire Chief, Assistant Chiefs, and Senior Fire Inspector.

The China Lake local was the first Federal Fire Fighter group to receive Exclusive Recognition in the United States.

The parent organization, IAFF, was organized in 1918 and is comprised of 1,200 locals, accounting for a membership of 125,000. The China Lake local was organized in 1954. Station officials participating



FIRE FIGHTERS SIGN AGREEMENT—Capt. Blenman, ComNOTS, signs written agreement negotiated between Fire Fighter Local F-32 and Station as William A. Lewis, Local president waits his turn. Witnessing signing (l-r) are Cdr. H. E. Byrd, Austin Ross, Asst. Fire Chief Frank Brady, LCDr. R. C. Clasen, and Howard E. Runkle, Local sec-treas.

DIVINE SERVICES

Christian Science (Chapel Annex) Morning Service—11 a.m. Sunday School—11 a.m. Protestants (All Faith Chapel) Morning Worship—8:30 and 11 a.m. Sunday School—9:30 a.m., Groves and Richmond elementary schools. Roman Catholic (All Faith Chapel) Holy Mass—7, 9:30 a.m., and 5:30 p.m. Sunday. 6 a.m. Monday through Friday, 8:30 a.m. Saturday. Confessions—8 to 8:25 a.m., 6 to 8:30 p.m. Saturday, Thursday before First Friday—4 to 5:30 p.m. NOTS Hebrew Services (East Wing All Faith Chapel) Every first and third Friday, 8:15 p.m. Unitarian Fellowship (Parish Hall) Fellowship Meeting — Sundays, 7:30 p.m. Sunday School — 9:30 a.m.

The Rocketeer

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