



CRACKS UP — "You'll hear a lot of lies about me from Keith and Maryk, but I commanded the Caine for fifteen months without making a single mistake," alibis Capt. Queeg (Phil Marsh) in climactic scene of "Caine Mutiny Court Martial" tonight at the Station Theatre.

Top Aircraft Display Planned for AF Day

An impressive array of aircraft ranging from jet fighters to helicopters will be available for public inspection at the Naval Air Facility during Armed Forces Day. Selected for display are: Chance Vought Crusader F8U, the Navy's fastest fighter jet; F4U Corsair North American Fury, attack plane capable of in-flight refueling; USAF F104 Lockheed Starfighter, Side-winder-armed supersonic jet interceptor; PV2 Lockheed Neptune twin engine, propeller-driven, long-range patrol plane similar to the one which set the unbroken 11,000 mile non-stop flight record from Sydney, Australia to Columbus, Ohio; and the HRS Sikorsky helicopter used for search and rescue, and invaluable for locating downed drones.

Exhibits of Douglas Aircraft contributions include: A4D-2 Skyhawk, light attack plane carrying some versatile ordnance racks developed by VX-5; AD-7 Skyraider, propeller-driven light attack aircraft; F4D-1 Skyraider, Sidewinder-armed, all-weather night fighter; JD twin engine light bomber, known during World War II as the "B-26" and now used to launch jet drones; and the A4D-2N, a compact all-weather attack plane.

Other displays at NAF will include the KD-4 Ryan Firebee and the KDB-1 Beech target drones. The Grumman Cougar and the Grumman Hell Cat, WWII fighter planes, will be located so that visitors may operate the remote control equipment.

Michelson Laboratory will be open from 1 through 4 p.m. Space and oceanographic research conducted at NOTS will be expertly displayed in comprehensive format.



MARINE LIAISON OFFICER — Major Leo Gerlach, USMC, will relieve Major Knowlton P. Rice as Marine Liaison Officer at VX-5. Maj. Gerlach reports from the 1st Marine Air Wing in Iwakuni, Japan, where he served as Wing Embarkation Officer for the last 15 months. His former duty was C. O. of the Marine Air Support Squadron One with the 2nd MAW at Cherry Point, N. C.

They used to say airplanes for the individual would be as cheap as cars, but now they're working on making cars as expensive as airplanes.

Political Activities Things You May Do Under the 'Hatch Act'

Hatch Act and Civil Service Commission rulings specially reserve to all Federal employees the right to VOTE, they please. In addition to this, Government employees may express their opinions on ALL political subjects and candidates.

Federal workers CAN exercise their rights as individuals to sign a petition favoring a candidate for political office providing they do not take this action as a Government employee OR as a GROUP of Government employees.

An employee MAY serve as an election officer provided that in so doing he discharges the duties of the office in an impartial manner and does not engage in, or become involved in activities in behalf of a political party or candidate.

Employees MAY wear political badges and buttons or display political posters or pictures in their home or on their automobile providing they do not make partisan display of any kind while on duty conducting the public business.

Spouse's Activities A Federal employee's wife (or husband) MAY engage in politics independently, upon her (or his) own initiative. This must be done in her (or his) behalf providing the spouse's activity is not for the purpose of accomplishing a political act prohibited to the employee. Federal employees MAY engage in non-partisan political activity in connection with candidacy for a local office which is to be filled in a wholly non-partisan election where none of the candidates are running as representing a political party.

Government employees MAY make voluntary contributions to a regularly constituted political organization, provided such contributions are not made in a Federal building or to some other Federal employee within the scope of the Statutes. Employees MAY hold state, territorial, county, or municipal offices, concurrent with their naval employment provided it does not interfere with their Government work. The holding of such office must not violate Hatch Act or Civil Service regulations or restrictions on political activity.

Navy Policy AS A matter of policy, the Navy DOES NOT approve of an employee holding a position in which the power of arrest or restraint is invested.

NOTS employees who are in doubt about a particular activity and wish further information on the subject, should contact their Personnel Service Group. Questions which cannot be answered locally will be referred to the Civil Service Commission for a definite ruling.

Must Know the Law It is presumed that ALL employees know that Hatch Act and Civil Service Commission regulations are the controlling factors governing Navy Department employees with regard to political activity. Ignorance of these regulations will not excuse violations.

Civil Service Commission Regulation 1982 is posted on various bulletin boards over the Station. This regulation explains "Partisan Political Activity Restricted by Law."



SERIOUS MOMENT—Dr. Ronald A. Henry (l) reflects deep thought upon acceptance of the coveted L. T. E. Thompson award. Dr. Wm. B. McLean, past recipient, bestows the honor.



JUSTIFIABLE PRIDE — Edward W. Price smilingly acknowledged the L. T. E. Thompson award presented to him by Capt. W. W. Hollister during a luncheon ceremony last week.

Woollomes Speaks at Rep. Women's Banquet

Prominent guest speakers will highlight the annual dinner of the East Kern County Republican Women Federated to be held at the Hideaway Cafe on Wednesday, May 18, at 7 p.m.

Scheduled speakers for the evening are Roy Woollomes, District Supervisor for 28 years, who will discuss "The Duties of the Supervisor," and Ray Hamilton, of the Delano City Council, whose topic will be "The Supervisor's District." This is a planned program and does not constitute endorsement of candidates for any office in the primary election.

Tickets are available from any member of the Republican Women's Group or by calling Vera Appleton, Ext. 7-7653, or Terry Hughes, Ext. 8-8246.

regulation explains "Partisan Political Activity Restricted by Law." If a copy of this regulation is not available on the bulletin board in your area, contact the personnel service representative from your department.

Real Estate Course Proposed by UCLA

The UCLA Education Program at China Lake has tentatively scheduled Real Estate Practice, X482AB (two units of credit), for the fall semester of 1960.

The course is a practical presentation of the techniques of operating a real estate business, appraising property and methods of obtaining good listing; advertising property, securing prospects, showing the property; closing and financing the sale; renting, leasing, and selling income property.

The Statewide Field Coordinator of UCLA's Real Estate Program has agreed to furnish an instructor if an enrollment of at least thirty-five students can be assured. Prospective students are requested to pay a deposit of \$5 on the \$25 enrollment fee no later than May 20 at the Education Office, Room 1004, Michelson Lab. Deposits will be accepted beginning next Monday from 7:30 a.m. through 4:30 p.m., and checks should be made payable to the Regents of the University of California.

Local PESA Service Ceases After July 29

Members of the Public Employees Service Association Group Health Insurance program will be serviced by the local representative, Peggy MacIse, until July 29. After this date, all claims and claims information will be handled directly through Ken Lynn, Founders Insurance Company, 727 West 27th St., Los Angeles.

All claims should be filed as early as possible. Collection hours shall be maintained from 10 a.m. to 3 p.m. Tuesday, Wednesday, and Thursday; and from 10 a.m. to 5 p.m. Monday and Friday until July 25.

Final Quarter Midget Race Held for Season

The Desert Empire Quarter Midget Racing Association, now racing under the new Quarter Midgets of America rules, ended its season battle for points last Saturday night.

During the qualifying time-trials, Butch Gallaher's new track record was upset by Linda Linsea with a scant 0.01 seconds. The new record is now a fast 8.385 seconds.

First place race results are as follows: Stock Class Trophy Dash, Barbee Gallaher; "B" Class Trophy Dash, Butch Gallaher; Stock Class Heat Race, Steve Sievert; "B" Class Heat Race, Scotty Miller; Stock Class Main Event, Don Resh; and "B" Class Main Event, Scotty Miller.

TEMPERATURES table with columns for Max, Min, and Sea. Includes a note about 'Caine Mutiny Court Martial' and 'Station Theatre'.

Origin of Top Navy Ranks Disclosed

Origins of our three senior ranks, Admiral, Commodore, and Captain, are as interesting as they are varied. Admiral and captain are still familiar terms to us, but commodore was mainly war-time rank and therefore not as well known, though a number of retired officers still hold that rank.

The rank of admiral was for years only an honorary title bestowed on naval officers of outstanding character. Its actual origin stems from the Arabic phrase Amir-al-Bihar, meaning "commander of the seas."

Admiral Farragut was our first full admiral, obtaining the rank after the Civil War. On Farragut's death, Admiral Porter was awarded the rank. Even then the rank belonged only to the individual and ceased to exist upon the incumbent's death. Congress made it a permanent part of the rank structure on March 3, 1915.

The rank of captain was first clearly defined in the British Navy in 1748, ranking then, as now, with colonel in the Army. In the latter half of the 14th century, the captain was a courtier or army officer who came aboard English ships with his soldiers for passage and for fighting purposes. The ships were sailed by masters and crewswains, not captains, with a crew of sailors assisting them.

During the reign of Queen Elizabeth (1558-1603) ships became men-of-war and the navigating was combined with the fighting, with a captain in command of both forces. The word captain comes from the Latin word caput, meaning head or chief.

While the ranks of admiral and captain stem from language translation, the economy minded Dutch lay claim to creating the title of commodore.

During a war with England in 1652, the Netherlands was short of admirals and also short of money. The problem was solved by creating the new rank, commodore, thereby obtaining their needed flag officers at the cost of only half the pay of admirals.—(NavNews)



NAVY RELIEF COMMITTEE—Representatives of all Station commands attend a planning conference on the annual Navy Relief Society call for funds set for May 4 to June 6 this year. Attending the briefing session, front row (l-r) are: Lt. D. E. Gates, VX-5; Shirley Fossum and Dorothy Moreland, Navy Wives Club; Ann Wandell, CPO Wives Club; Chaplain Robert "Q" Jones; Opal Norris, WACOM; Alice Floyd, Chaplain's Secretary; Marge Ashbrook, Thrift Shop Manager; Lt. Dan M. Carpenter, Supply; and W. H. Fernandez, CSC, Commissary Store. Pictured in back row are: Sgt. Orville Moreland, MCGMTU; Frederick Morret, HME, Medical and Dental Departments; Lt. James Walters, NAF; Ens. Walter Mickelson, NOTS Enlisted Personnel; Capt. J. R. Tull, Marine Barracks; CWO Robert Bricker, MCGMTU; Ens. William Lockie, GMU-25; and Cdr. S. W. Mitchell, Command Administration. Contribute to your Navy Relief Society.



Foreign Naval Attaches are welcomed upon their arrival Tuesday evening at NAF.

ROCKETEER BUDD GOTT, EDITOR PHONES 71354, 72082, 71655 OFFICE, HOUSING BLDG., TOP DECK Vol. XVI, No. 19 NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIFORNIA May 13, 1960

Talented Cast Stages Last Court Martial Epic Tonight

Although all critics said that a drama about Navy Officers with no slashing action and no love scenes could not interest the public, audiences across the nation have found fascinating character revelation in the interplay of tangled motives of "The Caine Mutiny Court Martial" enacted tonight by the China Lake Players in the Station Theatre.

When the curtain rises tonight at 8:15 p.m. on the general court martial room of the 12th Naval District in San Francisco, the question of justice and retribution will be enacted in classic drama about an incident within the modern Navy.

As the interest of the trial mounts, it is not the Navy but the human mind which is on trial. The cast will consist of Ralph Classen as Lt. Maryk; Phil Marsh as Capt. Queeg; Perry Stone as Lt. Greenwald; Jim Rhodes as Cdr. Challice; Roger Wickenden as Capt. Blakely; Robert Martin as Lt. Delano City Council, whose topic will be "The Supervisor's District." This is a planned program and does not constitute endorsement of candidates for any office in the primary election.

CPO Club Dedicates \$60,000 Swimming Pool

Seven years of planning and ten months of construction culminated last week as the Chief Petty Officers dedicated their Club swimming pool last Friday.

Valued at \$60,000, it is the only custom built CPO swimming pool in the continental United States and was built at no cost to the taxpayers. It was financed with \$10,500 of CPO profits, and further completed with the assistance of 45,000 man-hours donated by Club members and friends.

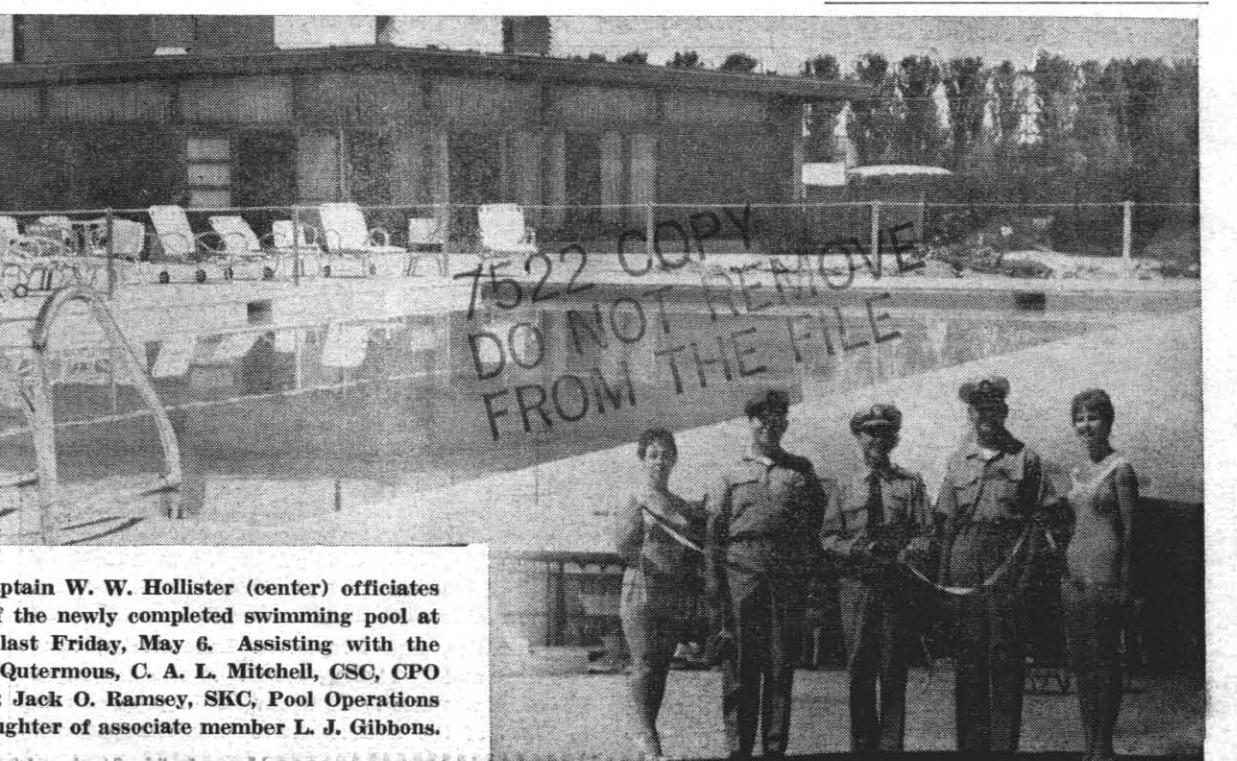
Chief Storekeeper Jack Ramsey, operations officer-in-charge, says "The remarkable thing about the project was that only one man out of the entire membership knew anything about swimming pool construction. There was more than one ditch dug in the wrong place which had to be covered up."

The 30' x 60' pool has varying depths from three to nine feet and boasts gleaming turquoise tile coping covering the masonry construction. Its 67,000 gallon capacity will require draining once a year, a proverbial drop in the bucket, the chiefs point out, in the Station's four million gallon average daily water consumption. Filter and heating equipment is capable of emptying the pool four times daily, and of raising the water temperature fifteen degrees.

DRAG RACES SUN. MAY 15 11:00 AM. HEAR YE! JUST DEVILS DRAG RACES Sun., May 15. Dust Devils Queen Jeanne Marie Grell proclaims two big events slated for this area within the next week. She will reign as queen at the big drag race.

Holiday on Fines For Overdue Books

Library patrons are urged to return long overdue books to the Station Library and the Burroughs High School Library beginning Sunday, May 15 through Saturday, May 21.



CPO POOL DEDICATION—Captain W. W. Hollister (center) officiates at ribbon cutting ceremonies of the newly completed swimming pool at the Chief Petty Officers Club last Friday, May 6. Assisting with the ribbon cutting (l-r) are: Fran Quermous, C. A. L. Mitchell, CSC, CPO Club president; Capt. Hollister; Jack O. Ramsey, SKC, Pool Operations Officer; and Linda Gibbons, daughter of associate member L. J. Gibbons.

Foreign Attaches Visit; See Navy's Missile Might

Twenty-five foreign Naval Attaches from Washington, D.C., were introduced to the Station's missile might during a one-day tour of the Station Wednesday. During routine tests, the visitors were able to witness near perfect demonstrations of loft bombing, rocket and missile firing techniques.

Following their arrival from Anacosta at NAF Tuesday evening, the visitors were honored with a reception and dinner at the club.

Wednesday morning the group met at Mich Lab for a welcome and introduction to NOTS by the Station's Executive Officer Capt. H. B. Hahn, and to view the "Expanding Frontiers in Ordnance" film.

Following this, the visitors were transported to Tower Nine at G-2 Range to witness the end results of the Station's vital research, development and test work in actual bombing and firing demonstrations.

Veteran Pilot Veteran NAF pilot Lt. Cdr. W. W. (Bill) West, flying an AD-7 Douglas Skyraider, provided the first thrill for the Naval Attaches as he slammed 114 2.75-inch rockets into the target circle in a demonstration of air-to-ground firing. His team-mate, Lt. Cdr. Will Ennis zoomed in seconds later in his A4D Skyhawk to give the visitors their second thrill with a ripple firing of 5-inch Zuni rockets. Commentary for the firings was handled by Sid Sheffer of the In-Service Weapons Support

Division. VX-5 pilots brought the visitors to their feet several times during the four different brilliant demonstrations of loft bombing. Lt. George LeBlanc, in his F4U North American Fury, was a mere speck in the sky to the spectators as he began his dive at over 30,000 feet and came screaming down for a perfect dive bomb demonstration. Before the visitors had recovered their breath, Lt. Cdr. James Nance in an A4D-2N Douglas Skyhawk streaked across the desert floor in low level flight, suddenly arched skyward and loosed his bomb straight up, then, rolling over on his back, streaked away in the direction from which he had come in a demonstration of over-the-shoulder maneuver.

Cdr. Robert Kuntz, also in an A4D-2N, came next in a roll ahead maneuver, used for delivery of parachute retarded weapons. Seconds later Lt. Cdr. Jack Robcke flying in an A4D Skyraider swept across the desert floor, pulled into a steep vertical climb, and released their bombs for a perfect bulls-eye in a medium angle loft.

Lt. Robert Cornwell climaxed the VX-5 pilots' demonstrations as he swept in to drop 16 bombs in a dust raising exhibition. As a grand finale for the visitors, Lt. Cdr. Herk Camp flying the FSU Chance Vought Crusader, one of the world's fastest Navy fighters, brought the crowd to its feet as he released a target rocket, and seconds later fired a Sidewinder which zeroed in on its target for a deadly kill.

Visitors Listed Foreign Naval Attaches and their respective countries were as follows:

- Cdr. S. M. Anwar, Pakistan; Commodore Curt Beskow, Sweden; Capt. Meng Bing Chih, China; Capt. Chul Ung Chon, Korea; Capt. Yves Delrieu, France; Capt. Oscar Fabiosa, Brazil; Lt. Dariush Farzaneh, Iran; RADM. Guillermo Haywood, Paraguay; Capt. Suteo Ishida, Japan; Col. Werner Koch, Switzerland; Capt. Niels F. Lange, Denmark; Col. Ismael D. Lapus, Philippines; and Col. Kaarlo O. Leinonen, Finland.

Also, Col. Maung Lwin, Burma; Capt. Jorge J. A. Palma, Argentina; Capt. Carlos Pardo, Spain; Capt. Savad Pavanarit, Thailand; Col. Yehuda Prihar, Israel; Capt. Branimir Radelic, Yugoslavia; Capt. Virgilio F. Ribeiro, Portugal; RADM. Herman Searle, Chile; Lt. Col. Trong Song, Viet-Nam; Capt. Orhan Turuglu, Turkey; Capt. Vincenzo Vaccaris, Italy; and Capt. Edward Wegener, Germany.

The group was accompanied by Capt. T. J. Laforest, Foreign Liaison Officer from the Chief of Naval Operations Office.



BEST FOURSOME—First place tournament winners with a low 54 are (l-r): Bob Mead, Dick McLaughlin, Charlie Fox, professional from the Hesperia Golf and Country Club, and "Bud" Sewell. Each foursome consisted of one professional teamed with three local amateurs. Pros played on a scratch basis and members played at full handicap.

China Lake Stages Successful First Annual Pro-Member Golf Tournament

The first annual Pro-Member Golf Tournament held at the China Lake Golf Club last Sunday was a tremendous success as a giant-sized

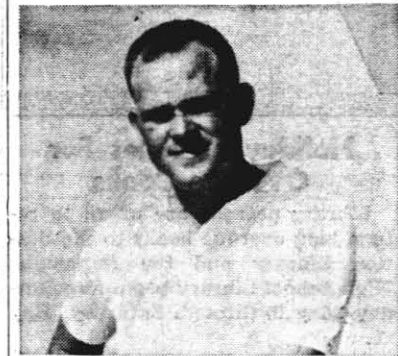
Indoctrinated Naval Reservists Leave China Lake Today

A broad program encompassing varied Station projects ranging from anti-aircraft weapons to highly classified programs was presented to touring Naval Reservists during a two week training course. The fourteen days were spent at a fast pace during which they covered Station activities both physically and through lectures delivered by technical personnel. Projects reviewed included CALEB, ZUNI, TERRIER, TARTAR, WALLEYE, SARAH, MORAY, and Sidewinder 1-C.

Abstract presentations were given relating to fuze evaluation, explosive forming and welding, military oceanography, infra-red detection devices, satellite payloads and warhead research, and the Marine Corps REDDEY Program. They also witnessed tests at the range facilities and toured the Station's laboratories and the Randsburg Wash Fuze Test Facility.

LCdr. James A. Huse from Salt Lake City, stationed here from 1943-46, took time from a tight schedule to renew acquaintances with old time employees. Joining Huse in a long trek from home are: LCDr. Leonard W. Wolf, Des Plaines, Illinois; LCDr. Rodney J. Schaid and LCDr. Zenon Prane, Chicago; Lt. Wm. E. Shoulders, St. Louis, Mo.; Lt. Harry George, Seattle, Wash.; Lt. Wm. W. Billow, Vancouver, Wash.; LCDr. Gilbert V. Wheeler, Idaho Falls; Lt. (jg) Roswell Jones, Phoenix, Ariz.; LCDr. Warren C. Westin, Kewanee, Wis.; Lt. Richard Herrmann, Southfield, Mich.; Lt. Carl R. Foleen, Troutdale, Oregon; Lt. Richard C. Jacobson, Renton, Wash.; and Cdr. Philip L. Sommer, Arlington, Va.

California Reservists are: LCDr. Charles F. Spencer, Martinez; LCDr. Frederick Albrecht, San Leandro; Lt. Norman H. Marsden, Canoga Park; Cdr. J. R. Hooker and Cdr.



WINNING PRO — Moon Mullins from the Circle R Ranch Golf Club was the winner of last Sunday's pro-amateur golf tournament with a 69 for 18-holes.

Harold G. Hughes, La Mesa; Lt. Charles F. Campbell, Palos Verdes Estates; Lt. Charles J. Welsh, Orange; Lt. James A. Lewis, North Hollywood; Cdr. R. W. McKesson,

Volunteers Needed For Little League Diamond Cleanup

An annual Clean-up, Paint-up, Fix-up project is planned this weekend at the two Little League diamonds at Forrestal and Richmond. Starting Saturday morning at 7 until completed has been set as the approximate duration of the project. If not completed in one day, the same procedure will apply to Sunday.

Parents of Little Leaguers and other industrious citizens who can contribute are invited to report armed with shovels, rakes, pliers, or strong backs for weed pulling and trash pickup. Painting equipment will be supplied.

Women of the Moose will serve free stew lunches to all volunteers. Any additional information may be obtained from Little League president Bob Freedman, Ext. 8402 or 8403.



CHINA DOLLS—Rapidly gaining popularity in all quarters, these local songbirds and Denny Lyons, master of ceremonies, will provide lively entertainment during the Bowler's Banquet sponsored by the IVV Women's Bowling Assoc. at the Hideaway next Thursday, May 19. Sweet Adelines are (l-r): Madge Hartnett, June Hewitt, Jean Warnagier, and Marge McCoy. Chairman Fern Wacker states that reservations may be made, no later than Monday, by calling Ext. 84001.

Promotional Opportunities

Current Station positions are encouraged to apply for the positions listed below. Application should be accompanied by an up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

Electronic Engineer (Instrumentation), GS-12, PD 31662-4, Code 4536. Design and development of instrumentation, design, development or analysis on special problems, technical liaison and representation, development of Jr. Engineers.

Supervisory General Engineer, GS-12, PD 31549-A, Code 4543. Development and evaluation of explosive components; technical planning; supervision and training of personnel, technical liaison, progress and technical reports and official correspondence.

Supervisory Electronics Devel. Technician, GS-11, PD 33271, Code 18. Perform design and development work. Evaluation of instrumentation and guidance systems. Prepare suitable check and alignment procedure and instruct operating personnel in their application, supervision of training, liaison activities.

Editorial Clerk, GS-5, PD 07015, Code 172. Performs editorial clerical duties in the issuance of technical directives as well as general clerical support of Codes 172 and 174. Clerk (DMT), GS-3 or 4, PD 31270, Code 4541. Types technical reports and correspondence, timekeeping functions for the Division, control of classified technical reports, maintenance of Branch and Section files.

Electrician (Aircraft) (2) \$2.83 to \$3.07 p/h, Code 18. Disassembles, overhauls, repairs, reassembles and tests electric motors, generators, dynamometers, inverters and other rotating electrical equipment.

File application for above positions with Dixie Sherman, Room 26, Personnel Bldg., Ext. 72676, by May 20.

Electronic Technician (General), GS-11, PD 28524-1, Code 3067. Engages in operations, maintenance and short-term development in connection with telemetry facilities on the ground ranges.

Clerk DMT or Stenographer, GS-4, PD 14621 or 92500, Code 251. Two vacancies exist for a secretarial position in Planning Division and for Administrative Division of the Supply Department.

Stock Control Clerk, GS-4, PD 14615AmI, Code 257. Responsible for document preparation and distribution.

Mathematician GS-7, Code 3035. No PD number. Two vacancies exist in Test Design and Evaluation Branch, Test Department.

Clerk-Typist, Stenographer or Clerk DMT, GS-3, PD 14590AmI, Code 257. Anyone who qualifies for any of the above titles is invited to apply for a secretarial position in the Control Division of the Supply Department.

Sports Slants

By Chuck Mangold, Athletic Director

A real treat is in store for the softball fans of the Station Saturday night, May 21, when the Lakewood Majors play the NOTS All-Stars in a double-header.

The Lakewood Majors are one of the top softball teams in Southern California. The NOTS team is made up of the top military and civilian players from the Station Intramural League. "Ace" Valenzuela and Bob Kochman will probably start on the mound for NOTS. The first game is scheduled at the Beer Hut Softball diamond for 7 p.m. There will be no admission charge and everybody is welcome.

In the best intramural game of the season played thus far, the Public Works team downed the Engineering Department 1-0 with Hank Green winning a pitcher duel from Burt Galloway. Curt Logan's sixth inning home run over the

softball fans of the Station Saturday night, May 21, when the Lakewood Majors play the NOTS All-Stars in a double-header.

right field fence was the clinch Green and Galloway each allow only one hit apiece.

Intramural Softball Schedule
May 16—VX-5 vs Station Officers, 6 p.m.
May 16—Engineering vs Pilot Plant, 8 p.m.
May 17—NAF vs Marine Barracks, 6 p.m.
May 17—Station Officers vs Engineering, 8 p.m.
May 18—VX-5 vs NAF, 6 p.m.
May 18—Public Works vs Marine Barracks, 8 p.m.
May 19—Engineering vs Public Works, 6 p.m.
May 19—Marine Barracks vs VX-5, 8 p.m.
May 21—NOTS vs Lakewood Majors Doubleheader—First game 7 p.m.

Anyone interested in bowling in a Tuesday night league please contact Tom Short or Bob Kochman at the Anchorage alleys. The alleys are available each Monday, Wednesday, and Friday night and all day Saturday and Sunday from 1 p.m. to 10 p.m. for open bowling.

Swimming pool will be closed to the public all day Saturday, June 4. The pool will be reopened at 1 p.m. Sunday, June 5.

Baseball
The Station baseball team broke even in two ball games played last week at Schoeffel Field. Thursday night Walt Richardson pitched NOTS to a four hit 12-0 win over the Camp Irwin nine. The NOTS team dropped an 8-5 game to Lancaster ball club Sunday. The next home game is scheduled for Thursday night, May 26, at 8 p.m. against Camp Irwin. The Station team has entered the National Baseball Congress Tournament to be held in Bakersfield, June 3, 4, and 5.

Boxing
All military personnel interested in taking boxing lessons are invited to participate in these sessions given free of charge by Bernie Locker each week day from 4:30 to 6:30 p.m. at the Station Gym.

Winners of the Blind Hole Bogey were: first place, Vera Greenfield; second place, Eileen Russell. A Throw Out Tournament will be held May 16-22. Players will deduct their three worst holes and use two-thirds of their handicap.

A Ladder Tournament will be held May 9 through August 14. This will be a Match play and so far eighteen girls have signed up. The monthly Putting Contest has been temporarily discontinued because the golf course greens have been closed.

Desert Art Leaguers plan a field trip for outdoor sketching and painting on Saturday, May 14. Members will meet at the St. Charles Hotel in Johannesburg at 9 a.m. For further info, call Bill Donaldson, 50-B Ringgold, Ext. 73262.

AAUW is sponsoring a bake sale today in front of the Commissary. The sale will continue until all goods are sold. Everything is guaranteed home-baked.

AAUW Book Review Study Group will meet at the home of Ruby Nichols, 710-A Nimitz, 1:30 p.m. next Monday, May 16. JoAnn Milburn will review the books "Hawaii" and "Calabashes and Kings".

AAUW Intl Relations Study Group will meet at the home of Jan Murphy, 325 Toro, 8 p.m. next Thursday, May 19. Jan Hays will speak on "Korea".

CL Boat Club will meet on Monday, May 16, 8 p.m., at the Station restaurant banquet room.

NOTS Ski Club invites the public to attend the Ski Film-O-Rama to be presented next Tuesday, May 17, at 8 p.m., at the Community Center. A variety of films will be shown including the 1959-60 Color-Action NOTS Ski Review.

Children's Film Society will conclude the season's film series tomorrow. Feature film scheduled for 10 a.m. will be Walt Disney's "The Alaskan Eskimo".

American Red Cross annual meeting is slated for next Wednesday, May 18, at 7:30 p.m. in Room B of the Community Center. Ed Colburn, ARC Field Representative from San Francisco, will be present to discuss the IVV Branch function in the overall Kern County organization. All Red Cross contributors are eligible to attend annual meetings.

Other Federal Opportunities
Supervisory Electronic Engineer, GS-13, Guam. Send SF 57 to Navy Overseas Employment Office (Pacific), 45 Hyde St., San Francisco 2, Calif. Applications considered as received until selection made.

What's Doing IN RECREATION

By Jean Cone, Recreation Director

Those six, vivacious music men from March Air Force Base will be swinging out their happy dance tunes tonight at the Community Center.

Admission is \$1 for men; women will be admitted free of charge.

Pinochle Tournery
Pinochle tournament play continues each evening at the Community Center's adult lounge. Norb Hartman and Warren Wasser were the first to complete their thirty games. Players will have two more weeks to finish the tournament and are reminded that it begins at 7 p.m., Mondays through Thursdays.

Women's Gym Class
Each Thursday evening starting May 12, all interested women on the Station are invited to an exercise session and to play volleyball at the Gymnasium from 7-8:30 p.m. The group exercises will be led by Lorraine Ladda. This is a wonderful way to get ready for the approaching swim suit season, gals, and lots of fun, too. For further details call Lorraine at Ext. 724314.

Disneyland
Disneyland officials have announced that the new Magic Kingdom membership cards will be an annual card—good through May 31, 1961. These new cards will be available at the Community Center receptionist counter approximately May 25. The current membership cards expire May 31, 1960.

Chess Club
The Chess Club is scheduled to send an eleven-man team to Lancaster on May 15 for an Inland Chess League match and barbecue. All paid-up members are eligible and urged to participate. Those interested may contact Seldon Schnur at Ext. 712332 or 89761 before Thursday, May 12.

Chess League Standings
Research W L D
AOD 2 0 0
Engineering 1* 0* 0*
Burroughs 1 0 1
Weapons Planning 0 1 1
Propulsion
Development 0 1** 0
Test 0 2* 0
TID 0 1** 0
*Three games to play.
**One adjourned and one to play.

Jeep Rally
The Tulare County Four Wheel Drive Club has extended an invitation to China Lake Jeep owners to join them in a rally on May 29-31. It will be held seven miles south of Coalinga on the Dias Ranch in Jackolitis Canyon. The Tulare Club says this area offers plenty of water plus 3000 acres of jeep country. A map and further details are available at the Recreation Director's office in the Community Center. If you plan to attend, please leave your name with the Recreation Director, Ext. 72010, no later than May 20.

Animal Statistics
Stray dogs picked up and released to owner 5
Dogs given away 8
Dogs destroyed at owner's request 7
Dogs destroyed after time limit 2
Dogs died in kennels 6
Dogs now in kennels 7
Dogs released after 14-day medical observation 2
Dogs under medical observation, released to owners care 8
Dogs under medical observation, in kennels 3
Females brought in by owners, no fee 2
Total dogs handled during April 50
Animals impounded fee (5) \$11
Cats picked up and destroyed 7
Cats destroyed at owner's request 6
Total cats handled during April 13
Total animals handled during April, 1960 63

THE ROCKETEER
OFFICIAL WEEKLY PUBLICATION of the U.S. NAVAL ORDNANCE TEST STATION
China Lake, Calif.
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News From Pasadena

Vice Admiral Thach Tours SCI Facility

Touring San Clemente Island facilities last Tuesday was Vice Admiral J. S. Thach, Commander, Antisubmarine Defense Force, U.S. Pacific Fleet.

Arriving at SCI, VAdm. Thach and his party were met by Captain Charles J. Beers, Officer in Charge, D. J. Wilcox, Head, Underwater Ordnance Department, and J. J. O'Brien, Associate Head, Weapons Development Department, who briefed the group on the ASW mission, technical facilities, and programs of NOTS. They viewed a demonstration at the 3-D Range and were shown supporting research work being undertaken at the island.

Admiral Thach is based at Pearl Harbor. He instigated task force ALPHA in the Atlantic Fleet and is continuing the project in the Pacific. Members of his party included Capt. R. I. Cochrane, Capt. G. C. Cook, Cdr. R. H. Allen, LCDr. J. K. McAdams, Major V. W. Krug, USAF, and Lt. L. R. Lester, Jr.

The SCI visit was one stop in a tour of West Coast facilities.

Engineer Receives Degree from UCLA
Recently receiving his Masters Degree in Engineering from UCLA is Wally Olson of UOD's Guidance and Control Division. An Electronic Engineer, he is Head of the Facilities Section, Simulation Branch.

Based on APL's operation at Dabob Bay, Washington, the range was installed at San Clemente Island and began operation March 5. Many NOTS groups as well as APL personnel were involved in the range installation. Ed Shaw and Lee Farris, China Lake Public Works riggers, were in charge of the lowering operation. Mary Hillinger of Pasadena Public Works was in charge of the Seal Beach operation. Other Public Works employees both from China Lake and Pasadena ably assisted.

Continuing tests are being run and further investigation into the thermal layer effect on trajectories is being made.

Pasadena Exhibits Work For Public Armed Forces Day
The general public will be invited to view some of the work of NOTS, Pasadena, Saturday, May 21, from 10 a.m. to 4 p.m. at the Naval Reserve Training Center, Victory Park, 2727 Paloma, Pasadena.

Armed Forces Day NOTS exhibits which will be set up in the main auditorium will include a topographical layout of San Clemente Island, a one-fifth scale Polaris missile, and a Mark 43 Mod 1 torpedo. The story of the Polaris underwater launch will be told via synchronized slides and tape.

Scuba diving and hard-hat diving gear will be exhibited along with Jake, the dummy diver. There will also be an exhibit of the new 3-D Range at SCI. A closed-circuit TV will scan the auditorium throughout the day.

Displays are under direction of LCDr. J. D. Schnepf, Armed Forces Day Officer, who is being assisted by the P1903 Presentations Office.

Three-D transducer array is lowered off San Clemente. Three-Dimensional Range Now In Operation at San Clemente

Accurate three-dimensional tracking of underwater targets is the business of a new range recently added to the Station's San Clemente Island facilities—Operation Deep-track. Recently completed, Phase I of the operation consisted of installation of the range and acoustic tests to determine its feasibility. Phase II, hardware ranging, is now underway.

The UOD Advanced Planning Branch (P8083) of the Systems Operations Division was given the responsibility of planning and coordinating Operation Deeptrack, also known as the 3-D Range. Ivor Lemaire of P8083 is the liaison man. He was assisted in the planning of the program by Jack Camp of the Applied Physics Laboratory (APL) of the University of Washington.

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Instrumentation located in the target sends out acoustic pulses which are picked up by the 30-foot base-line transducer array and relayed to the computer equipment.

During the run an XY plot of the target being tracked is presented in real time on a Librascope plotter. The X, Y, and Z coordinates, together with their corresponding point count, are printed out on tapes at the computer. This raw data can then be refined by correcting for sound ray bending resulting from the change in the velocity of sound in water versus depth.

Preliminary analysis of data obtained from tests of the system showed the following: the array is located within 50 feet of the desired position; the mathematical center of the array is at a depth of 1470 feet; tracking accuracies to within 5 feet are obtained at ranges to 3,000 feet (the design requirement), with firm tracking obtained at 5,000 feet but with decreased accuracy, and tracking of drift bottles was obtained to a depth of 500 feet below the array.

Leonard Semeyn of P8084 is the range engineer and Sam Wolfe of P8089 is in charge of the computer. Many NOTS groups as well as APL personnel were involved in the range installation. Ed Shaw and Lee Farris, China Lake Public Works riggers, were in charge of the lowering operation. Mary Hillinger of Pasadena Public Works was in charge of the Seal Beach operation. Other Public Works employees both from China Lake and Pasadena ably assisted.

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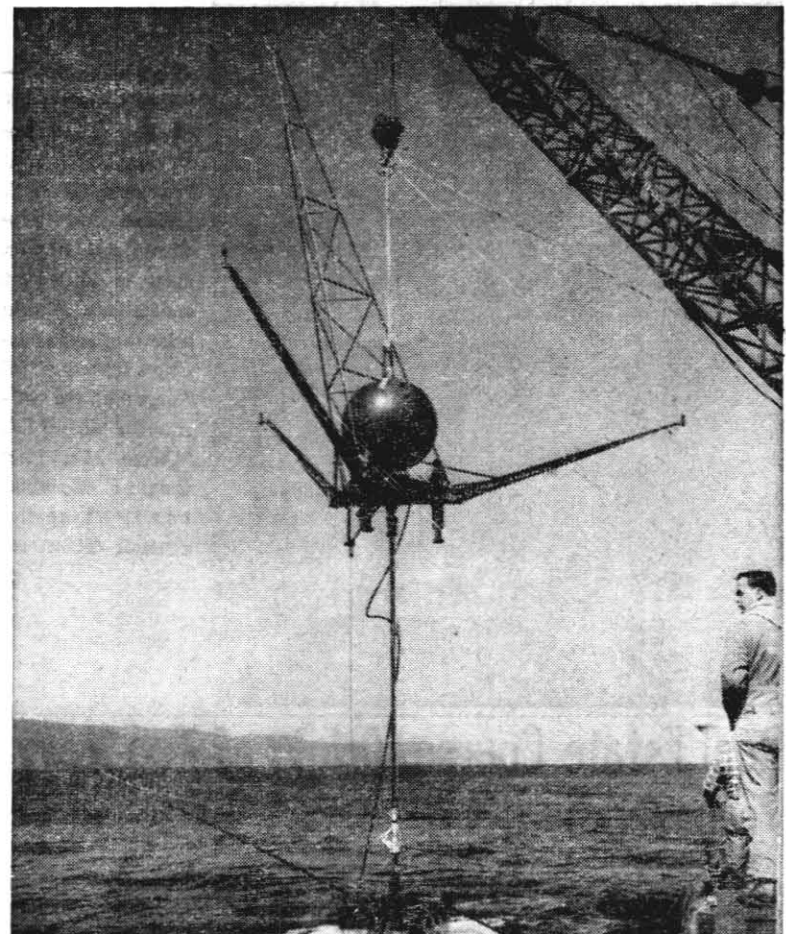
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APL's transducer array was assembled at Seal Beach, taken to San Clemente Island and lowered to a 1500 foot depth 7000 feet shore from the pier at Station SPRUCE. The instrumentation cable carries the signal to the pier and up the cliff to the South building, some 600 feet above sea level. The computer was installed in a 35-foot trailer van by APL in Seattle and parked alongside the South Plotting Building. This building is the location of the range control station and also contains an electronics work area.

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