2 local Sea Cadets return from summer training in Canada

Two members of the VX-5 Sea Cadet Squadron, commanded by LCdr. Richard Schultz, USNR-R, returned on Sunday from a two-week tour of duty in Canada at HMCS Quadra, an island in British Columbia that has been commissioned as if it were a ship by the Royal Canadian Navy.

PO3 John Clark and PO3 Mike Stallings left China Lake on June 28 to participate in the summer exchange program between Canadian Sea Cadets and their American counterparts.

While at HMCS Quadra, the two local youths learned to fire 9mm Browning weapons, run a compass course, took part in life preservation and boat abandonment drills, and participated in a 14-mi. hike carrying a 10 lb. pack.

In addition, they each spent five days at sea aboard the CFAV Cougar, an 80 ft., 80 ton Canadian vessel. (CFAV stands for Canadian Forces Auxiliary Vessel.)

While on board the CFAV Cougar, Clark and Stallings pulled a number of 4-hr. watches, switching responsibilities and experiencing new tasks each time. They were placed on radio watches, sea lookouts, lifeboard watches, steered the ship, and pulled engine room watches.

"It was all useful and interesting, but not as exciting as working on a U.S. ship," said PO3 Clark. "I expecially didn't like standing the watches in the middle of the night, but I learned quite a bit and enjoyed myself most of the time," he added.

Clark said he enjoyed sailing in an 18-ft. boat during his free time on the island best of all. He described the food as "terrible," and listed it as the thing he disliked the most during his two-week stay in Canada.

Last summer, PO3 Clark spent two weeks on board a U.S. minesweeper at Long Beach. "I liked that a lot," said the future U.S. Navyman.



JUDAS TO HANG - In a moment of anguish and despair, Judas Iscariot hung himself after his betrayal of Jesus Christ. Above, Rick Howell, who portrays Judas in "Jesus Christ Superstar," the summer CLOTA production, contemplates his fate. The popular rock opera will be presented two more times at the Burroughs High School Lecture Center — tonight and Saturday night. Curtain time is 8:15. Tickets available at the box office are priced at \$2.50 for general admission and \$1.25 for students and enlisted personnel. They also can be purchased at the Gift Mart and Medical Arts Pharmacy in Ridgecrest, at the Station Pharmacy, or from cast members.

Dance set at Chaparral

"The Soul Sensations" will provide music for a dance tonight at the Chaparral Club. All enlisted personnel on the Center, up to and including the rank of E-6, are invited to participate in the club's activities.

The dance will be held from 9:30 to 1:30.



NOTHING BUT THE BEST — The Burroughs High School cheerleaders were presented with the "Award of Excellence," the highest award given out at the California Specialty Camp, a school for cheerleaders, songleaders and majorettes, held recently in Sacramento. In addition, the local girls also won a superior rating from the camp's instructors. Shown above are four of the girls. They are Terri Leon (kneeling), Cheryl Burklund (I.), April Milbrath (r.), and Joann Stillwell on top. Two other squad members—Susie Goettig and Cheryl Radcliff—were not able to be present for the photograph.

Cub Scout camp to begin Mon.

other interested boys between the ages of 8 Ennis and Carol Jernigan. Mrs. Grattan and 10 years of age will begin on Monday. It will coordinate all of the activities at the will be held at the Naval Air Facility day camp, while the other two women will swimming pool area from 1:30 to 4:45 p.m. act as instructors and organizers. daily through next Friday, July 25.

Harry Parode, NWC's Public Information Officer and Desert District Chairman for the Southern Sierra Council, Boy Scouts of America, has been instrumental in providing bus service and arranging for use Tipler, chairman of the day camp.

chairman of the LDS Church primary and desert survival, are planned

A day camp for local Cub Scouts and school, and two local den mothers - Cora

Tipler also acknowledged a great deal of assistance from Norm Weisman, local Boy Scout Commissioner, and Jim Rieger, who has helped with publicity.

Activities planned during the 5-day camp of the NAF pool area, according to Ed include leathercraft work, plaster casting, basketweaving, and candle making. In Others who will be helping Tipler to stage addition, a number of demonstrations, the day camp are Lois Grattan, who is including photography, lifesaving, camping



FUTURE WACOM EVENTS DISCUSSED—Looking forward to an exciting year when full-scale activities resume in the fall are the newly elected officers of the Women's Auxiliary of the Commissioned Officers' Mess. The slate is headed by Debbie Cattern (at right), as president. The other WACOM officers are (from left) Kay O'Brien, treasurer; Suzanne Shutt, vice-president and program chairman, and JoAnn Rusciolelli, secretary. Positions held or duties performed by the husbands of the new WACOM officers are: Frank Cattern, project engineer in the Test and Evaluation Department's Air Projects Branch; Major Joseph J. O'Brien, USMC, assigned to NWC's Marine Corps Liaison Office; LCdr. John J. Shutt, project director for Air Test and Evaluation Squadron Five (VX-5), and Dick Rusciolelli, assigned to the NWC Public Information Office.

The objective of the ratings is to nform parents about the suitability of movie content for viewing by their

> (G) - ALL AGES ADMITTED General Audiences (PG) - ALL AGES ADMITTED Parental Guidance Suggested (R) - RESTRICTED Under 17 requires accompanying Parent or Adult Guardian Regular starting time — 7:30 p.m.

"NIGHT WATCH" (99 Min.) Elizabeth Taylor, Laurence Harvey (Mystery) A psychological tale about a woman

who imagines she sees a murder committed. (PG) "BOY TEN FEET TALL" (88 Min.)

Edward G. Robinson, Fergus McClellend (Drama) A 10-year-old boy heads for his aunt in Durban after his parents' death. Before he gets there, he has adventures with a Syrian peddler, an American tourist and a diamond smuggler. (G)

"THE HIRELING" (107 Min.)

Sarah Miles, Robert Shaw (Drama) This 1920s story covers the doomed relationship between a titled English woman recovering from a nervous breakdown brought on by her husband's death and the chauffeur she hires to drive her around. (PG)

"THE MIDNIGHT MAN" (119 Min.)

Burt Lancaster, Susan Clark (Mystery) A ex-cop secures a job as night watchman at a small South Carolina college. The theft of several tapes sparks three murders and the ex-cop decides to conduct his own investigation. (R)

"THE STEPFORD WIVES" (115 Min.)

20 JULY

Katherine Ross, Paula Prentiss (Drama) Katherine Ross and a friend start a Women's Lib organization in a peaceful Connecticut town, Mysterious happenings then begin as one by one the women become robot-like and completely subservient to the desires and wishes of their husbands. (PG) 23 JULY

"CAPTAIN KRONOS: VAMPIRE HUNTER"

Horst Hanson, John Garson (Horror-Adventure) A legendary vampire hunter is recruited by a village terrorized by vam-THURS. 24 JULY

"THE LAST OF SHEILA" (120 Min.)

James Coburn, Yvonne Romaine (Mystery Drama) James Coburn is a Hollywood producer, a master manipulator of human beings. His gossip-columnist wife Sheila is killed in a pretitle sequence. A year later, he invites guests to his yacht in the Mediterranean for a week of

"THREE TOUGH GUYS" (92 Min.) Lino Ventura, Fred Williamson

(Drama) A priest and an ex-police captain join forces to find the gang that stole \$1 million from a

Danny Kaye film to be shown at next Youth Centermatinee

nesday, July 16, is "Court Jester." The film will begin at 1 p.m.

This 101 min. comedy stars Danny Kaye, Glynis Johns, Basil Rathbone and Angela Lansbury. It is the tale of an ex-circus clown who joins a band of outlaws in an attempt to oust a tyrant king.

Admission is 25 cents for Youth Center members and 50 cents for all others. The matinee is open to all dependents of military and civilian employees of NWC. regardless of their place of residence.

U.S. Government Printing Office:

PLACE
STAMP

Command OKs bike-cross rec facility

The Naval Weapons Center Command this week approved recommendations made by the China Lake Community Council's board of directors regarding the development of a bike-cross recreation facility and the establishment of a collection center for salvaging non-returnable glass jars and bottles for recycling.

The cost of materials for the bike-cross will be provided from NWC recreation funds and by the Ridgecrest Recreation Department, while the work of laying out and developing this facility will be taken care of under the Navy's Self-Help program.

The exact location of the bike-cross hasn't yet been decided, but it will be in a place readily-accessible to both China Lake and Ridgecrest residents once the present housing area boundary fence has been relo-

Locations Being Considered

Under consideration is vacant land west of McBride Park, or an area bounded by Groves and Hornet Sts., Richmond Rd. and S. Lauritsen Ave.

Other vacant land in the vicinity of Sangammon and Santee Sts. is being looked at as the possible location for a fenced-in pit where glass could be collected prior to sale in 25-ton loads by Ecolo-Haul, a Los Angeles area firm, for recycling.

This project is one presented to the Community Council's board of directors by spokesmen for the High Desert Recycling Center. The latter group has offered to borrow money for the fencing and other materials needed, while digging the collection pit would be another Navy Self-Help program activity.

Once the non-profit High Desert Recycling Center has recouped its investment for the cost of materials, proceeds from the \$14 per ton sale of the glass will be turned over to the China Lake Community

Bob Fletcher, president of the local civic group, also announced plans to join the Ridgecrest City Council in co-sponsoring a

(Continued on Page 3)

FM radio reception reported improved Listeners to FM radio stations will be

pleased to know that engineers working for the China Lake Community Council's TV-FM Committee have concluded work this week on the FM system to eliminate the hissing sound that has been heard on certain stations. In addition, the engineers have also reduced the effect of polarization interference on FM stations being received over car radios.

Jim Rieger, a member of the committee, notified The ROCKETEER earlier this week that FM Radio Stations KOST, KOTE, KFAC and KLOS are now being broadcast into the valley practically trouble-free.

nwc rocketeer

Vol. XXX, No. 28

July 18, 1975

Indian Wells Valley to observe 'Space Week'

Proclamation signed by NWC Commander, **Mayor of Ridgecrest**

Rear Admiral R. G. Freeman III, NWC Commander, and Dr. Rex Shacklett, Mayor of Ridgecrest, jointly signed a proclamation on Tuesday designating the period of July 20 through 26 to be observed as "U. S. Space Week" in the Indian Wells Valley.

Citing the U.S. space program as being one of peaceful exploration and utilization of space for the benefit of all mankind, the proclamation and special observance comes on the heels of a highly successful launching of two manned spaceships - the U. S. Apollo and the Russian Soyuz - that were linked up yesterday in outer space.

The Apollo-Soyuz mission dramatically illustrates the intent of the Space Week observance. Locally, the special week is sponsored by nine different engineering societies grouped together under the banner of the High Desert Engineering Association (hIDEA), and Cerro Coso Community

They are the American Institute of Aeronautics and Astronautics (AIAA), American Society of Civil Engineers (ASCE), California Society of Professional Engineers (CSPE), Institute of Electrical and Electronic Engineers (IEEE), American Institute of Chemical Engineers (AIChE), American Society of Mechanical



PROCLAMATION SIGNED - Dr. Rex Shacklett (I.), Mayor or Ridgecrest, and RAdm. R. G. Freeman III, NWC Commander, signed a proclamation Tuesday designating the week of July 20 through 26 as "U.S. Space Week" in the Indian Wells Valley. The local celebration will include a lecture on Friday, July 25, at Cerro Coso College by Walter Hurd, a quality control expert. —Photo by Ron Allen

Engineers (ASME), American Society for Quality Control (ASQC), American Defense Preparedness Association (ADPE), and the Society of Logistic Engineers (SOLE).

Present at the signing of the proclamation, and the organizations they represented, were Dwight L. Weatherbee (AIAA), John L. Cox (ASCE), Bruce C.

Bartels (CSPE), Gerald J. Auger (IEEE), Wallace W. Parmenter, (ASME), C. Anthony Miller (ASQC), Robert McCarten (AIChE), Stanley G. Reynolds (ADPE), and Robert M. Sheckler (SOLE).

Prior to signing the proclamation, RAdm. Freeman pointed out that NWC employees

Technicians being trained in repair of tiny, sophisticated electronic components

The Naval Weapons Center is spearheading an expanding program that is providing the Navy with skilled technicians to maintain the sophisticated electronic components of modern aircraft, weapons, shipboard, and ground systems.

A completely equipped laboratory has been set up on the Center for the training and certification of electronics technicians in the repair of miniature and microminiature electronic modules. On June 27, the first class of eight students successfully completed a course in miniature component repair. Seven of the eight will return cuitry. for additional training in micro-miniature component repair.

Until now, many printed circuit modules, which cost \$50 to \$50,000 each, had to be

and complex components. These integrated circuits are capable of monitoring thousands of functions and can be as small as a quarter-inch wafer.

Important Development

One breakthrough in the micro-electronic repair capability was the development by industry of a tool which made it possible to simultaneously melt and extract the solder from a printed circuit. This permitted safe removal of the components from the board without degradation to the board or cir-

provement Program (AMRIP) course at NWC is sponsored by the Naval Air Systems Command (NAVAIR) and is headed by discarded because technicians lacked the Ephraim Regelson (AIR-4115), formerly of

skill and tools to properly repair the tiny China Lake. The training is open to personnel of both Pacific and Atlantic Fleet aviation and non-aviation units. This same training course is being provided at 12 Naval Air Maintenance Training Detachments. NWC, however, is the only site qualified and equipped to train and certify instructors in this field.

This added capability is due largely to the services of William E. Sake and John Robertson, two electronics technicians employed in the Fleet Requirements Branch (Code 5561) of the Engineering Department's Fleet Engineering Division. The Avionics Module Repair Im- Robertson and Sake were among the first Navy instructors trained in the field. They not only wrote the current courses, but subsequently came to work at China Lake.

Terral Leads AMRIP Team

The leader of the Center's AMRIP team is Leonard G. Terral, also an electronics technician in Code 5561, who has been with the program since its inception, and has contributed substantially to its success. Close cooperation of the first few Aviation Intermediate Maintenance Departments involved with the AMRIP pilot program also contributed significantly to the establishment of a viable program that is now in great demand within the Navy and Marine Corps maintenance community.

The AMRIP training, consisting of two courses, provides 160 hours of instruction on the selection and use of proper tools for maintaining and soldering the printed circuits, terminals, and connector pins. The student studies all phases of miniature and micro-miniature devices which may contain thousands of functional circuits, plus memory circuits.

Students also learn to make repairs to multi-layer circuit boards, splice micro-

(Continued on Page 3)



chitectural firm of H. Wendell Mounce and Associates. Catherine new PO / EM Club.

Men's Club that is to be built at the corner of Blandy Ave. and project design engineer for the Center. The new 15,000 sq. ft. Hussey Rd. on the site of the old Jolly Roger Club. Heavy structure will provide separate Petty Officer and Enlisted Men's equipment operators have started the preliminary earthwork to bar / lounges and game rooms, a central kitchen area, and establish a grade on which to begin the work of constructing the common dining and ball room areas. Inland Contractors, Inc., of new building, which was designed by the Los Angeles ar- Redlands, Calif., was awarded a \$1.1 million contract to build the

(Editor's note: This issue of The ROCKETEER marks the beginning of a column which will provide the answer to a number of questions from time to time. Persons having questions which are of broad interest are invited to submit them in writing to the Public Information Office, Code 003, for response in this column.)

The Center received word from the Office of the Chief of Naval Material (CNM) that a tentative FY76 ceiling of 4,060 Full-Time Permanent (FTP) and 150 other than FTP billets has been assigned pending further DoD and Congressional action. The Center's response to that message has generated a slug of rumors which are inaccurate and detrimental to employee morale.

At this time, the following information summarizes the situation as we know it: The tentative ceiling assigned is 306 less than the FY75 FTP ceiling. The Center's response contained these basic points:

- It is not possible to achieve a 306-billet reduction by attrition and at the same time maintain a balanced workforce to accomplish critical work and programs.
- We need to replace approximately one out of two vacancies in order to maintain the desired balance in workforce skills. - In order to maintain the desired workforce balance and operate under the
- reduced ceiling, we will have to request authority to run a Reduction-in-Force (RIF) of approximately half of the total projected reduction.

Let me point out that this response was sent back to CNM on Monday, July 14, and no final decisions have been made nor has authority been requested to run a

We are planning to do everything resonable to minimize disruption of the workforce and as events occur we will make every effort to keep employees notified as to what the facts are surrounding any plans for a reduction in billets.

In addition, hiring restrictions were also imposed and are as follows: Effective July 1, 1975, off-Center hiring is restricted to Temporary appointments and Career/Career-Conditional appointments with Intermittent work schedules. Exceptions are:

- a. Written commitments made by the Personnel Department prior to
- b. Employees returning to duty from Leave Without Pay.
- c. Persons exercising statutory re-employment rights.
- d. Persons exercising restoration rights following military service.

Interdepartment personnel moves may be accomplished with department ceilings with the following limitations:

- a. Charges from Temporary employment to FTP or Part-Time Permanent (PTP) employment are not authorized.
- b. Changes from Intermittent work schedule to FTP or PTP employment are

It is anticipated that this employment status will continue until completion of Congressional action on DoD's budget request which will give the Department of Defense a clearer indication of the actual reductions to be made by the end of the

Naval Air Facility Re-enlistments



DT3 W. H. Bozarth Administration Div. NAF, 4 years

AO3 R. P. Luna Weapons Div. NAF, 6 years

Toastmasters plan education session

An educational session entitled "Barriers and Gateways to Communication" will be presented by the China Lake Toastmasters Club on Thursday, July 24, at the Station Restaurant:

The meeting will begin at 6:30 p.m. During the evening, several members of the club will make presentations on the subject, and time will be set aside for discussion and feedback.

Guests are welcome. Persons interested in attending are asked to contact Ravindra Jain by calling NWC ext. 3395, or Dr. Charles Benham at ext. 7273.

The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake, California

RAdm. Rowland G. Freeman III **NWC Commander**

Dr. G. L. Hollingsworth

Technical Director

C. E. Van Hagan Technical Information Department

> Editor Jack C. Lindsey

Don R. Yockey

Associate Editor

Diane Coryell Editorial Assistan Ron Allen

Staff Photographer



DEADLINES:

Tuesday, 4:30 n.m. Tuesday, 11:30 a.m. The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with Nav Exos P35, revised January

1974. Office at Nimitz and Lauritsen, Information published in the Rocketeer does not necessarily reflect the official views of the Department of **Phones**

3354, 3355, 2347

Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filled with the person named in the ad. All others desiring employment with the Navai Weapons Center may contact the Employment-Wage and Classification Division, Code 652, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information date within the last six months are encouraged to tile a Form 171 or 172 in their personnet jacker, intermation concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 656 or 657). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all G5 positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

800-13, GS-1310-13, GS-1520-13, PD No. 7540079, Code 40801 vulnerability / survivability analysis of aircraft. - This position is associate head, Survivability and Lethality Division, Aircraft Systems Department. In conjunction with the division head, the incumbent is lead to permanent assignment. This position functions as responsible for providing technical review and guidance the Juvenile Officer in the Police Division, Security throughout the division and for establishing, monitoring, and analyzing management controls required to meet time and monetary schedules established by NWC, NAVAIR. control program, and interface with county and other SYSCOM, JTCG / AS and JTCG / ME. The division function is to provide all necessary analytical, technological and systems engineering implementations essential for surface weapons systems. The division also provides expertise in the complementary field of weapons lethality including weapons characterization, weapon effects and terminal end gaming. Job Relevant Criteria: Must have experience managing technical personnel. Must be proficient in the area of survivability technology, design, analysis, and testing. Possible Promotion Potential: GS-

800-12 / 13, GS-1310-12 / 13, GS-1520-12 / 13, PD No. 7540080, Code 4081 - This position is head, Analysis Branch, Survivability and Lethality Division, Aircraft Systems Department. Primary function of the branch is to conduct computer studies, analyses, and experimental investigations with regards to the survivability of aircraft and surface weapon systems. Additionally, the branch also conducts studies in the field of weapons lethality evaluation. Incumbent plans and supervises the development of analytical models and numerical computer methods utilizing applied mathematics, physics, economics, and statistics to aid in analysis of new or existing weapons and weapons systems. Job Relevant Criteria: Must have a thorough knowledge of mathematical simulation and the capabilities of high speed computers. Must be knowledgeable in the area of vulnerability/survivability analysis of aircraft and weapon subsystems. Knowledge of test assessment and

Supervisory Engineer, Physicist, Mathematician, GS-800-12 / 13, GS-1310-12 / 13, GS-1520-12 / 13, PD No. 7540081, Code 4082 — This position is head, Advanced Technology Branch, Survivability and Lethality Division, Aircraf Systems Department. The primary function of the branch is to design and develop survivability enhancement concepts for existing as well as new Navy aircraft. Additionally the branch provides technical support and guidance in the selection of materials structural designs and protection concepts for incorporation into new aircraf systems. The incumbent plans and supervises work in such areas as materials development, engine survivability enhancement, fire suppression and ballistic damage reduction. Job Relevant Criteria: Thorough knowledge of aircraft design and development, materials technology, mathematical simulation, structural design and ballistic response. Thorough knowledge in the areas of vulnerability / survivability analysis, testing methods and procedures, data assessment and evaluation as well as knowledge of aircraft systems operation.

Supervisory Engineer, Physicist, Mathematician, GS-300-12 / 13, GS-1310-12 / 13, GS-1520-12 / 13, PD No. 7540082, Code 4083 - This position is head, Aircraft Systems Branch, Survivability and Lethality Division, Aircraft Systems Department. The incumbent supervises a team of engineers whose primary functions are: Program management for incorporating combat survivability into new and existing aircraft. Perform engineering designs for systems survivability, conduct trade studies, tests and evaluation to enhance the survivability of aircraft, Develop aircraft survivability specifications. Incumben provides coordination with airframe companies for in corporating survivability into production aircraft and is responsible for insuring that adequate long range plans are developed for the survivability program, coordinated with NAVAIR and the Joint Technical Coordinating Group (Aircraft Survivability). Job Relevant Criteria Knowledge of aircraft systems and state-or-art suscen tability and vulnerability reduction design techniques Ability to plan and coordinate programs between military



TIPS FOR CYCLISTS - A bicycle rider on a public street has all the rights and responsibilities of the driver of an automobile and can be cited for not obeying the law.

Supervisory Engineer, Physicist, Mathematician, GS- and contractor personnel. Knowledgeable in the area of

temporary promotion not to exceed one year which may Department. Basic duties include investigation of juvenile delinquency cases / causes, development of a juvenile uvenile officers from off-Center agencies. Job Relevant Criteria: Ability to communicate effectively with both juveniles and adults. Knowledge of patrol, traffic, and with trying / emotional situations involving juveniles.

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 2925.

Secretary (DMT), GS-318-5, PD No. 7555094, Code 55301 - This position is that of secretary in the Sparrow Program Office. Duties include screening of visitors calls, making appointments, reading and distribution of respondence, drafts, memos, composes correspondence, reports on statistical and informative material, and performs basic editorial duties. Job Relevant Criteria: Must have demonstrated ability to meet and deal with a variety of people in a work situation. Thorough un derstanding of NWC, Navy, and DoD correspondence, filing, and security procedures. Proficient with dictating machine. Must be able to operate magnetic tape typewriter. Ability to operate on own initiative and without much supervision.

File applications for the above with Carol Downard, Bldg. 34, Rm. 204, Ph. 2925.

Air Test Operations Specialist, GS-301-9 / 11 / 12, PD No. 7535102, Code 3551 - This position is located in th Program Management Office, Countermeasures Division, Electronic Warfare Department. It is physically located at the Electronic Warfare Threat Environment Simulation (EWTES) facility in the Randsburg Wash test area. The ncumbent serves as the test conductor during specialized electronic data collection tests utilizing land based and airborne equipment. The incumbent directs all activity during the test and evaluates the performance of electronic countermeasures equipment. The incumbent also serves as an air controller responsible for the precise and continuous positioning of participating aircraft. Responsibility includes positive control of all aircraft activity, including maneuvers, discrete events and air-toair intercepts. Job Relevant Criteria: Incumbent must possess a complete understanding of a wide variety of aircraft flight characteristics, and complex elect display information concerning radar tracking and digital computer performance. Must have the ability to maintain positive and effective control of aircraft under adverse conditions. Ability to plan, coordinate, schedule, and conduct airborne flight tests. Ability to work as a team member under extreme pressure.

Electronics Technician, GS-856-7, PD No. 7518001, Code 1862 - This position is located in the Targets Division Aircraft Maintenance Department, at the Naval Air Facility. The purpose of the position is to provide maintenance, repair, and operation of the X-band tracking and S-band search radars, analog computer, plotting boards and other displays in the AN / MSQ-51 serial target contro (Continued on Page 7)



DIVINE SERVICES

Sunday School - All Ages Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month. ROMAN CATHOLIC 1700 fulfills Sunday obligation Saturday BLESSED SACRAMENT CHAPEL Daily except Saturday

CONFESSIONS 1615 to 1645 Saturday

RELIGIOUS EDUCATION CLASSES Kindergarten thru 6th grades Pre-schoo First thru sixth seventh & eighth (Junior High)

Above classes are held in Chapel Annexes across from Center Restaurant. Ninth thru 12th grades

"In Home" Discussion Group Monthly Youth Rallies Contact Chaplain's Office for specifics.

JEWISH SERVICES EAST WING-ALL FAITH CHAPEL Sabbath Services every Friday

> UNITARIANS **CHAPEL ANNEX 95** Services — (Sept.-May)



GOING, GOING, GONE - "Tex" Hammond, an auctioneer from the Defense Property Office in San Diego, was at the China Lake Community Center on July 10 to lend a hand during an auction of surplus government property. As Hammond called for bids, individual registered bidders in the audience raised numbered signs to indicate their interest in the wide variety of items that were up for sale. The auction attracted 285 bidders who purchased \$29,000 worth of surplus government property. Hottest items at the sale were the nearly 40 different vehicles - all of which were sold and brought in the highest single amounts bid. That was \$1,500 for a 4-wheel drive pickup truck and \$1,400 for a jeep. —Photo by Ray Hocker

Promotional opportunities...

center. In addition, the incumbent tunes UHF transmitters, using standard tuning procedures, and performs remote checks with various target aircraft as well as check other target control stations by monitoring a 64 channel drone receiver. Job Relevant Criteria: Knowledge of radar theory and ability to operate track and search radar. Knowledge of CRT display devices, analog computers, and digital and solid state devices; ability to troubleshoot, repair and maintain electronic systems.

Secretary (Stenography), GS-318-5 / 6, PD No. 7500017, Code 07 - This is the position of secretary to the head, Systems Acquisition Office. Incumbent is responsible for the efficient operation of the office, and performs a variety of secretarial and administrative duties which includes but are not limited to: receiving incoming calls and visitors, review of outgoing correspondence to insure compliance with established policies and procedures, composition of correspondence involving letters of acknowledgement, commendation, etc.; typing technical materials and administrative memoranda, directing incoming mail to appropriate personnel, management of calendars, and other duties in support of the office. Job Relevant Criteria: Ability to type accurately and efficiently, and take shorthand. Knowledge of Center organization and policies. Reliability, dependability and accomplishment of work assigned. Ability to work with people of all levels.

File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 208, Ph. 2577

Clerk-Typist, GS-322-4/ 5, PD No. 7551093, Codes 5103 and 5105 — Incumbent provides clerical support to Air-to-Surface Planning and Modular Weapons Group and the Air-to-Air Planning Group with most of the time devoted to the former. Establishes and maintains files, schedules meetings and answers phones and receives visitors Makes travel arrangements and maintains group heads' calendars. Job Relevant Criteria: Ability to get along with others in work group. Familiarity with scientific and engineering terms. Ability to type efficiently and ac-

File applications for the above with Pat Gaunt, Bldg. 34,

Editorial Clerk (Typing), GS-1087-04/05, PD No. 7340165, Code 5362 — This position is located in the Field Services Division of the Technical Information Department. Duties include typing, composition, layout, copyreading and proofreading of various types of formal and informal reports. Job Relevant Criteria: Must learn the IBM Composer and MTST System. Familiarity with the NWC Editorial Style Guide and experience in the and layout of technical equations, figures and tables are desired. Ability to work under pressure of demanding time schedules. Familiar with terminology used in physical sciences and engineering. Advancement Potential: Editorial Assistant GS-1087-06.

Clerk (Typing), GS-301-04, PD No. 7553013, Code 5362 -This position is located in Field Service Branch No. 2. Technical Information Department. The incumbent answers telephone, receives visitors, operates Xerox, prepares time cards, maintains files, types memos, letters, forms, documents, etc., maintains funding records, and assists in preparation of Vu-graphs. Job Relevan Criteria: Must be able to type accurately. Ability to operate MTST is desired. Must be able to work under pressure of strict deadlines.

Files applications for the above with Dora Childers, Bldg. 34, Rm. 210, Ph. 2676.

Supervisory Physicist/ Supervisory Electronics Engineer, GS-1310 / 855-13, PD No. 7533098, Code 3321 -This position is that of head, Systems Analysis Branch I in the Fuze Department. Incumbent will plan and direct the analytical studies of assigned weapon systems to determine optimum fuzing and warhead effectiveness. Studies will entail definition of threat, target characteristics, warhead effects, etc., in the solution of fuzing problems Job Relevant Criteria: Ability to model physical phenomena on large scale digital computers. Knowledge of electronic principles of guided missile fuzes. Ability to supervise at the branch level. Ability to design and execute a weapon system analysis program.

File applications for the above with June Adams, Bldg. 34, Rm. 210, Ph. 2371.

Clerk (Typing), GS-301-03 / 04, PD No. 6970009, Code 70703 — The incumbent is responsible for collection, in ternal handling and distribution of detailed statistical data on all automotive, weight handling, materials handling, plant account equipment used at NWC.

Pipefitter, WD-4204-10, JD No. 206-1, Code 70434 — Works directly under the supervision of a foreman performing all of the duties of a pipefitter. Installs pipe, fittings, and fixtures to construct or maintain piping systems such as steam heating, steam power, hot water, heating, hydraulic, high pressure air, chemical acid, various gases cardox fire sprinkler systems, vacuum lines, nitroger and repairs or clears them. Tests piping systems.

Engineering Equipment Operator, WG-5716-10, JD No. 324, Code 70781, (3 vacancies) — Is required to operate all types of dirt moving construction equipment which includes bulldozers, road graders, road rollers, ditchdigging equipment, skiploaders, tractors and other simila quipment to build roads, maintain roads, excavate, backfill, level ground, move earth and rock, and load and Motor Vehicle Operator, WG-5703-08, JD No. 10-2, Code

70781, (4 vacancies) - Drives straight-in line trucks of gross vehicle weight ratings in excess of 32,000 lb. or any tractor and semi-trailer combination, or any tractor and trailer combination, or any "double-bottom" combination such as truck and trailer, or tractor, semi-trailer, and Motor Vehicle Operator, WG-5703-07, JD No. 165-3, Code

70783, (3 vacancies) - Drives straight-in-line trucks of over 22,000 lb. gross vehicle weight ratings up to and including gross vehicle weight ratings of 32,000 lb. or heavy duty passenger buses, either of the "body on chassis" or "integral (transit)" types, with a carrying capacity of 25 or more passengers, or operates special Laborer, WG-3502-2 / 3, JD No. 455, Code 70433 — Per-

forms manual labor involving skill in the use of common tools and simple power equipment. Typically these job involve work incidental to the refrigeration and airconditioning craft, i.e. loading equipment and assisting a iourneyman.

File applications for the above with Terry Rowell, Bldg.

TOKEN OF APPRECIATION — On behalf of the Naval Weapons Center, Capt. R.

D. Franke (at left), NWC's Deputy Commander, accepted a plaque in appreciation

for the courtesies extended to members of Naval Reserve Intelligence Area

Analysis Units based at NAS, Los Alamitos, during a recent weekend visit to China

Lake. The presentation was made by LCdr. S. Martin Shelton, USNR-R, who heads

the Film Projects Branch in the Technical Information Department's Presen-

tations Division. The visitors, nearly 90 in number, were here for 11/2 days of

briefings about a number of the Center's weapons programs and also inspected the

special facilities used for research and development work at NWC.

Employee in the spotlight

Many different roles in life are stereotyped. One always imagines an "intelligence officer" as being some sort of spy, lurking in dark corners, wearing a trench coat with upturned collar, and fading into the mist just as he is about to be discovered, weapon in hand.

ROCKETEER

Robert E. Burrows, the Scientific and Technical Intelligence Liaison Officer (STILO) in Code 12, is nothing like his movie or novel counterpart.

A bright, sunny man, Bob neither lurks nor fades. He probably wouldn't be caught dead wearing a trench coat, but he is involved with weapons - the kind that are conceived and developed at NWC.

Bob's mission is to provide the intelligence necessary to the technical and scientific community at NWC for the development of weapons, such as Sidewinder, Walleye, and Agile. "I think all weapons development is based on having adequate intelligence on what the developers are trying to counter or defeat," Bob said.

There is an important difference between scientific and technical intelligence as opposed to operational data intelligence. In order to accomplish the former, Bob has instituted a number of changes since he was put in charge of STILO. That was in May 1973 when Earl Towson left NWC to attend the Naval War College.

A full rundown of the intelligence services available at NWC are to be found in an article on Page 4 in this issue of The ROCKETEER.

Came Here as Engineer

Bob wasn't always an intelligence officer. He came to NWC as an aeronautical engineer in June 1960. "After I was graduated with a BS degree from Cal Poly, San Luis Obispo, I decided to come to China Lake for two years to get some experience," Bob laughed.

Prior to attending Cal Poly, Bob, who was born in Alameda, Calif., had worked for the U.S. Steel Corp. in Pittsburg, Calif. Before that, he served two years in the U.S. Navy as a radioman. He was discharged in 1954.

The Mt. Diablo High School (Concord, Calif.) graduate attended East Contra Costa Junior College before joining the Navy. During his high school days, Bob used to date his future wife, Mary Louise ("Lou"). The couple was married in July 1956 while Bob was still employed by U.S. Steel and Lou was attending the University of California at Berkeley. After she was graduated, Lou got a job as a probation officer for San Luis Obispo County and Bob



Robert E. Burrows

returned to school to get his bachelor's

The couple now has three children. They are Keith, 14, who will begin his freshman year at Burroughs High School in the fall; Kathy, 12, who will be a seventh grader at James Monroe School in Ridgecrest, and Bruce, 7, who will enter second grade in the fall at Las Flores School, also in Ridgecrest.

Bob began working at China Lake as a junior professional with Code 40. He was assigned for three months each with Codes 4063, 4513, 3512 and 4065. Following the conclusion of the one-year JP tour, Bob signed on with Code 3512 as an engineer working on aerodynamics and flight tests on

After five years with Walleye, Bob joined Code 12 doing analysis of air-to-air combat. "This, of course, involved me with intelligence, and led to the appointment when Towson left the Center," Bob noted.

Job Keeps Bob Busy

Bob doesn't involve himself with the outside community, claiming he is kept very busy at his work. However, he does enjoy studing general military history and he is a World War II airplane buff. In addition, he is interested in archeology, wood carving, reading, and playing backgammon

Lou enjoys playing bridge and the couple likes to play card games. Bob claims his year is broken up into two sections: "Bird hunting season and waiting for bird hunting

Bob has one other pastime - playing pool. He and his boss, Jack Latimer, who is director for Intelligence and Current Operations in Code 12, generally get together once a week for a game of pool.

Lou is a member of the American Association for University Women and does a lot of support work for St. Michael's Episcopal Church.

Station-to-station long distance calls reduce phone bills

The cost of placing a person-to-person long distance telephone call is more that double the cost of a station call.

The policy of the Naval Weapons Center i that all calls-except for conference callsbe made station-to-station. Persons making long distance calls should dial 99-1 and th number. The operator will then come on th line and ask for the caller's NAVWPNSCE1 authorization number.

It is actually cheaper to place a secon call in the event that a party is not in than t call person-to-person. Some examples c costs by comparison are as follows:

All costs are based on a day-time, 3-mir call. The cost to call Los Angeles, person-to person is \$1.55 while station-to-station i only 70 cents; Dallas, Tex., is \$2.65 an \$1.25, while Washington, D.C., costs \$3.5 person-to-person and only \$1.45 for a statio.





What has happened to the Los Angeles Dodgers?

Clearly the most powerful team in baseball and possessing the best pitching staff in the major leagues (so say the pundits), the Dodgers are falling apart at the seams.

The hitters' bats are silent. The pitchers are ineffective. Iron Mike Marshall and the rest of the bullpen staff are unable lately to put out the fires.

And while the Dodgers flounder, the Cincinnati Reds roll on, seemingly unbeatable. Organization unrest has been called the reason for the Dodgers dropping from the National League's Division West leadership to second place, 12-1/2 games behind the Reds.

Jealousy among teammates; dissension between the players, notably Steve Garvey and Davy Lopes; Walter Alston being too old to manage. These all have been cited as principal reasons for the collapse.

My wife, Pat (who has now added baseball to her expertise), claims that none of these are the reasons. Probably one of the staunchest Dodger fans in the Southland, Pat reaches back into her Druid ancestry and says it's witches and evil omens doin' the Dodgers in.

Don't get her wrong. She's not some little old lady in bobby sox who likes to sit in the outfield and ask, "What's he doing now?" while at a ball game. She's knowledgeable. She can quote averages, hits, runs, RBIs and the whole gamut of statistics for every one of her beloved Dodgers. Her answer is quite simple: "They're the best team in baseball. Therefore, evil omens are causing them to lose ball games."

Never mind that the hitters' bats are silent when men are in scoring position. When an opposing player makes a great play, he's "lucky." When it's a Dodger who makes the same play, he's "great."

If Pat has any drawback, it's her belief that the Dodgers are invincible. Something always causes them to lose; it's never a lack of ability on the team's part.

Personally, I think Walter O'Malley is missing a terrific opportunity here. Pat has been to see five Dodger ball games. They won all but one and lost the other by only one run. On the day she met Jimmy Wynn personally and spoke to him (he was in a slump at the time), he hit a home run, two doubles and scored four times.

Hey, O'Malley. Need an exorcist?

IWV Pony League All Stars out of tourney

The IWV Pony League "A" All Star team was eliminated from tournament play Sunday by a 14-3 loss to a team from Granada Hills.

The local squad lost a 6-3 decision to the Palmdale all stars and then won a 5-4 victory over a team from William S. Hart earlier in the Class A tournament that was held in Palmdale.

Rob Tomaras was the losing pitcher in the Granada Hills tilt. He gave up six runs in the first inning, two more in the second and three additional tallies in the third stanza.



ROCKETEER

A HEALTHY WORKOUT — A regular program of physical activity can be extremely beneficial to one's good health. Sheila Miller instructs a small weightlifting class on Tuesday from 9 to 10:30 a.m. at the Center gymnasium. During that time period, women are taught how to lift weights, and are put on a program of regular exercise using the weight room's equipment. Mrs. Miller will begin another class in the fall. All persons interested in joining this group should contact Wilt Wyman, NWC athletic director, by calling NWC ext. 2334.

Local swimmers top 7 pool records during Kern County championship event at Lamont

records during the Kern County Cham- sec. In each case, the times set were new pionship swim meet held last Saturday at records at the Lamont pool. the Lamont pool, near Bakersfield

Miss Faron, competing in the girls' 15-17 medley in 2 min., 35.1 sec.

Faron and Carol Boyd — erased or tied pool records during the meet. Kathy Faron a new Lamont pool record. placed first in the 100-yd. backstroke in 1 min., 13.4 sec., topping the old mark of 1

Urgent! All former members of the IWV Swim Team are asked to contact Bruce Auld or his wife, Ann, by calling 446-2362, or Marilyn Ball at 446-2360, no later than Monday.

This is in regard to special plans being made for the swim team's annual banquet, which is set to be held Monday, July 28.

min., 14.1 sec. Miss Boyd outdistanced all competitors in the 200-yd. freestyle race by tying the existing record with a time of 2 min., 15.1 sec.

The males were not to be outdone. Steve Hamm (boys' 15-17) set a new mark of 2 min., 21 sec. in winning the 200-yd. individual medley event, eclipsing the old standard of 2 min., 22.4 sec. Jason Monks, who competes in the boys 6 and under, won two first places - 25-yd. back and 25-yd breast strokes. In addition, while placing second in the butterfly stroke event, he also

Masters swim club to be started here

How would you like to lose 30 lb. and add 20 years to your life?

That question will be asked at a meeting that has been scheduled on Tuesday at 8 p.m. in the Panamint Rm. of the Community Center. At that time, Gaylord Orme, an employee of Systems Consultants, Inc., in Ridgecrest, and two NWC employees -Frank Buffum and Dick Chatterton - will ramrod a planning session to set up a Masters swimming program at the Naval Weapons Center.

This program's long range objectives are to promote swimming, diving and water polo on the local level as a means of fighting cardiovascular diseases and enhance physical fitness and recreation among older

All persons, regardless of age, who are interesting in establishing a Masters swimming program in this area, are encouraged to attend the meeting.

Sue Faron cracked two county swim broke the former record with a time of 24.9

The only relay team to break a record was the local girls 9-10 medley relay squad age group, won the 100-yd. freestyle in a composed of Gia Giuliani (backstroke), time of 57.6 sec., and the 200-yd. individual Christine Ball (breaststroke), Jenny Rungo (butterfly) and Allison Rungo (freestyle). Two other 15-17 year-old girls - Kathy These four girls swam the 200-yd. distance in a new time of 2 min., 39 sec. This also was

> Three other Indian Wells Valley relay teams won their races and a total of 12 local individuals took top honors during the meet. All of the record breakers, with the exception of Gia Giuliani, are members of the IWV Swim Team. Miss Giuliani belongs to the High Desert Swim Team of Ridgecrest.



JULY ATHLETE - Line T. Scanlan, the July Co-Athlete of the Month with Bernie Wasserman, is almost a onewoman softball team. An outstanding pitcher for the Comarco team (where she works as a reproduction typist), Mrs. Scanlan has won 13 games and lost only 1. In 69 innings she has struck out 100 batters and put out another 35, giving her more than half of the total of 207 putouts possible in that many innings worked. In addition, she is hitting .692 at the plate (36 hits for 52 trips), has scored 26 times, batted-in 30 runs, and has hit 3 roundtrippers. The diminutive mother of five children has been struck out just once. Like her pitcher-husband, Tony (whom she met while both were students at Samoana High School at Utulei, Samoa), Mrs.

Scanlan throws hard and takes her

softball seriously.

Wilt's Corner

Gym users, sports participants must ioin association

By Wilt Wyman **NWC Athletic Director**

This is a reminder once again that as of tomorrow, all adults using the gymnasium must belong to the newly-formed NWC Adult Athletic Recreation Association.

The \$6 yearly fee can be paid to the gymnasium secretary between the hours of 9 a.m. and 2 p.m., Monday through Friday. All association members will be required to sign in at the issue room each time they use the gym's facilities.

Youth Center memberships will be honored at the gym. My advice to families is to have all dependents under the age of 18 join the Youth Center to make them eligible to participate in activities sponsored by the Youth Center, youth gymnasium, youth sports, and the adult gymnasium.

Slow Pitch Cancelled The slow pitch softball tournament had to be cancelled. Five local teams signed up to participate, but only two teams from out of town mailed in entries this year. Many teams expressed an interest in competing but did not make actual commitments.

Hopefully, next year we will be able to stage a slow pitch tourney.

Summer Volleyball Planned A 2-on-2, and 6-player volleyball leagues will be offered on Tuesday and Thursday nights beginning on Aug. 5. Teams can be

made up of both men and women. The 6-player league must have a minimum of three women in the game at all times. A pre-league meeting will be held at 4:45 p.m. on Tuesday, July 29, at the gym. All persons who are interested in participating in this recreational sport are

Centerites eliminated from 11th Naval Dist. softball tournament

The Naval Weapons Center's representatives in the 11th Naval District Fast Pitch softball tournament were knocked out of contention on July 8 by the Pt. Hueneme squad, 7-0.

The local nine, managed by John King, had dropped a 7-1 decision to the Mobile Construction Battalion 10 team from Pt. Hueneme earlier after recording a 7-0 win over a unit from the Marine Barracks at the Naval Support Activity, Long Beach, where the tournament was held.

King is not too disappointed, however. Two of his men - Mike Zych and Greg Bishop - were picked up by the top two teams in the tourney, respectively, to compete in the All-Navy finals, now under way in San Diego.

King will now take his NWC fast pitch squad to Edwards Air Force Base tomorrow Inter-Service League fast pitch tourney.

In addition to his pitching staff of Ted Dominquez, Billy Brown and Barry Olson, King has signed on Mike, Mark and Marty Stoner, Tom and Jerry Mather, Jeff Radcliff, Bill Stewart, Ralph Stalnaker, John Martin, Bob Kauffman, Greg Bishop and Mike Zvch.

A victory would almost assure NWC of the over-all MDISL crown for 1975. The local teams are currently in first place in the standings, a bare one point ahead of March

Red Sox win '75 city Little League crown The China Lake Little League Major

Division's Red Sox are the city champions. The China Lakers defeated the Indians. champions of Ridgecrest's "A" Division, 6-5, in the annual city championship game, held last week in Ridgecrest.

Greg Bell was the winning pitcher while Roman Revels was charged with the loss. The victory brought the Red Sox record to 144, including various playoff games during the season.

Command approves bike-cross proposal (Continued from Page 1)

public forum on the question of a proposed consolidation of the Indian Wells and Kern Fair parade on Sept. 20. Anyone willing to River Judicial Districts.

The meeting on this subject, which will be open to all interested persons, has been scheduled on Saturday, July 26, from 2 to 4 p.m. at the Burroughs High School Lecture

Scheduled to debate the matter and present information to the public on the divergent points of view that have developed on this subject are Leroy Jackson, 1st District Supervisor, and spokesmen for the Indian Wells Valley Bar Association - including Attorney Frank Backus, president of the association.

Earlier this week, directors of the China Lake Community Council held an adjourned meeting to wind up matters that had to be delayed due to lack of time at their regular meeting on July 8. Business covered at the adjourned session included the filling of several committee assignments.

Bob McCarten, the council's new vicepresident, has replaced Lovic Thomas on the Community Hearing Board, while Don Cook and Jim Walden were appointed to serve as alternate members of the Hearing

Mrs. Gail Roberts, a newly-elected member of the Community Council's board of directors, was asked to serve as publicity chairman and also be an alternate representative to the Employee Services

In addition, a nominating committee composed of Aletha Benson, Wilt Wyman and Don Cook, was appointed.

Wyman stated that he is interested in finding a volunteer who will take charge of

Special training . . . (Continued from Page 1)

sized wires, and install lamps in plastic edge-lighted panels. Surgical and dental instruments are used to handle the miniature components, some of which are so small that many repairs must be made under a microscope.

The Naval Material Command and the Naval Sea Systems Command are adopting the NAVAIR training and certification program for application to their maintenance facilities. All activities carrying out maintenance work on electronic modules are now required to have proper equipment and certified technicians for any repairs to be performed. This includes the requirement for periodic site and personnel recertification as stated in current NAVAIR instructions.

"There is a tremendous feeling of accomplishment," one student said, "in knowing what a highly complicated job can be done by an integrated circuit almost too small to see, and then realize that it is my skill which has restored this component to reliable operation."

preparing a float to be entered by the Community Council in the Desert Empire lend a hand with this project is asked to contact Wyman by calling him at NWC ext.

ROCKETEER

Discussion held on fees to be charged at CL golf course

Fees charged at the China Lake golf course for use of privately-owned golf carts, as well as greens fees, were discussed on July 10 during a brief meeting of the Joint Navy-Civilian Recreation Council.

In the absence of two members of the golf sub-committee, Cdr. R. B. Nygaard, council chairman, requested that John Shoaf, acting head of the Special Services Branch, be prepared to submit recommendations concerning the above-mentioned fees at the August meeting.

A motion was then passed unanimously calling for all fee increases previously recommended and approved by the NWC Command to be fully implemented immediately. Subsequent to this meeting, a review was made of all activities for which fees had been increased, and it was determined that all changes were implemented with an effective date of July 1,

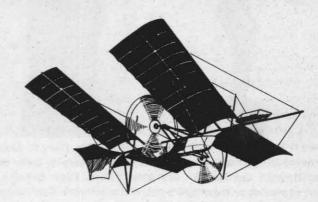
The meeting was concluded with an announcement by Cdr. Nygaard that last week's session would be his final one as chairman of the Recreation Council. Currently being planned, he added, is a restructuring of the council in an attempt to make it more representative of Center

In the future, all members and alternates will be urged to attend each meeting.

U.S. NAVY'S

the purpose of calling attention to the U.S. Navy's 200th birthday on Oct, 13,

1975, as the entire nation prepares for the Bicentennial observance during the



On March 25, 1898, Asst. Sec. of the Navy Theodore Roosevelt proposed that the Navy investigate a "flying machine" developed by Samuel P. Langley to determine whether it would work on a "large enough scale to be of use in the event of war." This first step towards the use of heavier-than-air craft took place 5 years before the Wright brothers flew at

The mission of NWC as "a principal Navy RDT&E center for air warfare" indicates the value of Naval aviation in "the event of war."

Naval Reserve unit formed to support NWC projects

A Naval Reserve unit, organized to combine military readiness training with support of Naval Weapons Center projects, is currently meeting on the second weekend of each month at the NWC Training Center.

The group, known as Naval Air Systems Test and Evaluation Unit 719 is composed at the present time of 18 officers and 1 enlisted man. Since most of the unit's personnel would be "mobilized" to billets at NWC in the event that reserve forces should be recalled to active duty, their readiness training objective is partially fulfilled by performing support for Center projects on a routine basis.

This further serves to maintain and sharpen reserve skills and increase capability in engineering and scientific

The expertise of the unit's personnel is drawn from both operational Fleet experience as well as civilian careers, in-

cluding government and industry executives, managers, engineers and test

This background uniquely qualifies T&E 719's personnel to participate in those NWC project areas calling for perspective not only in technical and project management aspects, but in Fleet operational requirements and limitations.

Operational experience of the unit's personnel includes both surface and aviation Fleet backgrounds. Pilots and naval flying officers belonging to the unit have extensive combined military and civilian flight experience in all types of aircraft, including Naval attack and fighter jets, weather ships and various support aircraft such as the A7 Corsair II, A-4 Skyhawk and F-8 Crusader.

Support provided to NWC projects is done at two levels - limited or group endeavor during the unit's weekend drill periods, or concentrated, direct support wherein individuals are assigned to projects for a twoweek active duty training period.

Both types of support have been provided for such projects as AIM-9L, CVX and Phoenix, as well as non-NWC projects like the U.S. Air Force's Maverick, a TV-guided

Tasking for T&E 719 project support does not require expenditure of project funds. This support can be initiated by calling Cdr. Dean Bare, USNR-R, at NWC ext. 3607.

Space Week' set . .

(Continued from Page 1)

could be "very proud" of their role in the successful U. S. space efforts. "The accomplishments of the space programs in this country have helped to improve the quality of living everywhere in the world, and NWC has played a large part in keeping the United States in the forefront of space exploration," the Skipper said.

The highlight of the local observance of "Space Week" will be a talk to be given by Walter L. Hurd, Jr., manager of product assurance for the Lockheed Missiles and Space Company's Space Systems Division, Sunnyvale, Calif.

Hurd, a brigadier general in the U.S. Air Force Reserve, will speak on "Our Future in Space" next Friday, July 25, at 7:30 p.m. at the Cerro Coso Lecture Center.

He will discuss the probable direction of this country's space program for the next 50 vears and touch on such subjects as moon bases, manned exploration of the planets and orbiting factories. In addition, Hurd will point out the political, economic, and social significance of such programs.

It is expected that he also will make predictions about the space program between 50 and 100 years from now. Hurd will illustrate his talk with color film slides.

Auto Hobby Shop hours

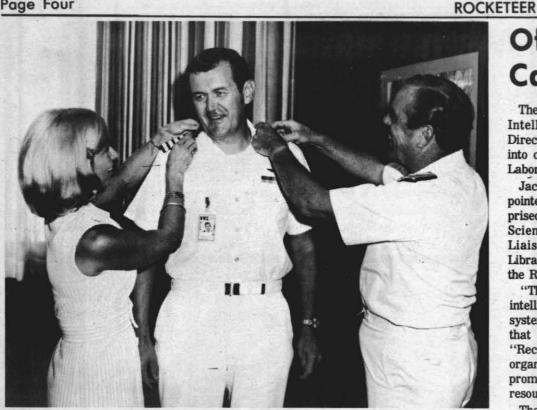
Special Services has issued a reminder that the Auto Hobby Shop's hours of operation were changed on July 1.

The shop is now open from 2 to 9 p.m., Monday through Friday; 10 a.m. to 5 p.m. on Saturday, and from noon to 5 p.m. on



specialized instruction. They are (1,-r.) Stanley Shefler, Joseph gratulations to all those who completed the course.

completion of a training course in the repair of miniature and Zagala, Edward Hinkley and Shirley Witt. Looking on at right is micro-miniature electronic modules were presented recently by Ephraim Regelson, who heads the Avionics Module Repair Im-Rear Admiral R. G. Freeman III, NWC Commander (2nd from provement Program (AMRIP) for the Naval Air Systems Comright), to the first eight Center employees to complete this highly mand. Regelson joined RAdm. Freeman in extending his con-



PROMOTED TO RANK OF CAPTAIN - Former Cdr. Gary B. Bailey (USNR-R), was promoted to the reserve rank of captain on July 1. Rear Admiral R. G. Freeman III, NWC Commander, and Betty Bailey, Capt. Bailey's wife, had the happy duty of pinning on the officer's new collar insignia. Capt. Bailey is a civilian project pilot at the Naval Air Facility.

Civilian project pilot promoted; is now captain in Naval Reserve

Gary B. Bailey, a civilian project pilot for are particularly needed by this unit. Code 1826, who also serves as a flight scheduler, was promoted to the rank of captain in the Navy Reserves during ceremonies held in the office of RAdm. R. G. Freeman, NWC Commander, earlier this

Capt. Bailey, who served 13 years on active duty and an additional 13 years with the U.S. Naval Reserve, was recalled to active duty during the Vietnam War. He reported to China Lake in 1970 and was returned to Reserve duty on July 1, 1974. While here, he served as administrative and operations officer at the Naval Air Facility.

He is a member of the Test and Evaluation Reserve Unit 719, homebased at Pt. Mugu, which meets regularly at China Lake. In addition, the new captain has assumed the duties of Officer-in-Charge of the NAF Maintenance Support Unit 119. Capt. Bailey stated that men eligible for aviation machinist mate reciprocating (ADR) and aviation electrician (AE) rates

Persons interested in obtaining more information about this reserve group are asked to contact Capt. Bailey by calling

Capt. Bailey and his wife, Betty Jo, have two children. They are Douglas, 16, who will begin his sophomore year at Burroughs High School in the fall, and Leora, 13, who attends James Monroe School in Ridge-

GEBA assessment due

Assessments are now due from members of the Government Employees Benefit Association and the China Lake Mutual Aid Society following the death this past week of Earl Scarborough.

The deceased, a former Code 35 employee, was 56 years old at the time of his death on July 8 in Penrose, Colo.

GEBA and CLMAS members are asked by Larry Mason, secretary, to contact the collectors in their work area to pay this latest assessment, which is No. 338.

Offices of Intelligence, Current Capabilities Directorate moved

The offices of the Naval Weapons Center's (3) Department head briefings, generally Intelligence and Current Capabilities presented at the bi-weekly department head Directorate have all recently been moved meeting on the Center. The presentation into one location - Wing 5 of Michelson may be a special feature, which is usually

pointed out that the directorate is comprised of four functions. These are the briefs. Scientific and Technical Intelligence (4) Circ II, a computerized document Liaison Officer (STILO), Intelligence Library, Current Capabilities Library, and the R&D Planning Library.

"The resources in the areas of threat intelligence and capabilities of U.S. systems are available to any NWC group that has need of them," Latimer said. "Recent improvements in capability and organization now make it desirable to promulgate the current status of these (5) Intelligrams, a notification to a resources," he added.

Responsibilities Outlined

The STILO is responsible for dissemination of intelligence information to any NWC Code with a need for such data. Burrows also provides guidance and assistance in remainder are studies, analyses and locally querying the intelligence community for produced documents. The library is an information not locally available. Routine open-shelf SECRET storage facility and is intelligence information is disseminated by available to any NWC employee with a Burrows in the following ways:

(1) The intelligence bulletin, a short, Melton is in charge. monthly digest of significant intelligence terest. It is published at the SECRET level 2006. and usually is issued in the first week of the month following that for which the sum-

(2) Monthly intelligence briefings, usually of general intelligence interest and staged for the technical departments' branch, division and department heads. These briefings contain fewer items than the bulletin, but include those items of most significance. In addition, a special feature on a threat system, technology, or capa-

included in the monthly brief, or a small Jack Latimer, the program director, number of individual items, which would be repeated in both the bulletin and monthly

> search and retrieval system. This system allows for on-line searches of a large data bank of scientific and technical intelligence information located at the Foreign Technology Division, Wright Patterson Air Force Base, Ohio. Searches may be structured to select a subject, author, document number, or title.

Intelligrams Issued

specific individual or Code of an item in the The present STILO is Robert E. Burrows. Intelligence Library that may be of interest He is in Rm. 1522 and his telephone number to their particular technology or warfare is NWC ext. 3042. His assistant is Michael R. area. Burrows considers these a timesaving method to inform customers of the availability of new reference materials.

The Intelligence Library contains approximately 9,000 documents, of which over 5,000 are intelligence oriented. The SECRET clearance and a need to know. It is located in Rm. 1528, NWC ext. 3944. Wayne

The Current Capabilities Library is the events. The bulletin contains a list of recent intelligence counterpart for U. S. documents received, reports of foreign capabilities. It also is located in Rm. 1528 material available, a summary of defectors and is under the leadership of John Webb, who will answer questions related to their NWC ext. 2006. Routine requests for field, a photo page of a selected Soviet documents on specific U. S. systems should system, and often a special article of in- be directed to Margaret O'Drobinak, ext.

Documents on File

Also located within the Intelligence Library is the R&D Planning Library. It contains documents related to Navy and the Department of Defense planning, budgeting, forecasting or programming of the Navy R&D process. Documents such as the Five Year Defense Plan, Planning and Programming Guides, etc., are found in the R&D Planning Library.

All personnel with a need for the type of information described above are invited to contact Code 121 for assistance in locating the documents needed. According to Latimer, the directorate would be pleased to provide a guided tour and explanation of the assets available in the Intelligence Library. Groups up to about 10 persons can easily be accommodated.

Don't cross double white lines in road at Switzer Circle

Reports have been received that some motorists driving around the northwest side of the traffic circle have made the mistake of crossing over the double white line with the result that accidents have been narrowly avoided in some cases.

In view of this, a question has arisen regarding why the double lines were not painted yellow, since most drivers are aware that they shouldn't cross over a double solid yellow line but some apparently aren't sure what a double solid white line means.

To clarify this matter, reference was made to the "Manual of Uniform Traffic Control Devices" which states: "Yellow lines are used to separate lanes when the traffic is flowing in both directions. White lines are used when both lanes of traffic are going in the same direction. In each case, the use of double solid lines indicates that drivers shouldn't cross the lines to pass or go into the other lane."

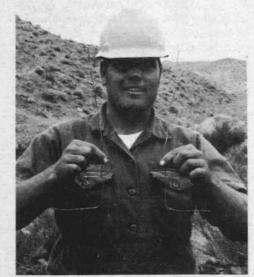
The double solid line at the traffic circle is used to indicate that travel in the same direction is permitted on both sides of the double line, but crossing these lines is prohibited.

Seabee team from Port Hueneme lends hand improving, installing watering devices for wildlife in desert

A 12-man team of Seabees from the 31st Naval Construction Regiment at Port Hueneme headed back to its home base this past Monday after spending six days improving natural springs and watering devices for desert wildlife in the desolate areas of Layton Canyon and Amity Spring on the Naval Weapons Center's Mojave B

This work was carried out in daytime temperatures that ranged as high as 120 degrees, according to Ltjg. Dan Hambrock, officer-in-charge of Seabee Team 1024. This, he noted, was quite a change from Port Hueneme, where the average temperature is around 68 to 70 degrees and it is foggy and

After arriving here on July 8, the Seabees had been scheduled to remain through



"WITCHCRAFT" - BU2 Mike Peterson holds a "water witch" that he fabricated from two pieces of galvanized wire. This non-regulation device proved effective in locating a spring that is a source of water in the Layton Canyon area.

today, but by working 14 hours per day succeeded in completing their assigned tasks four days early.

These successors to the World War II servicemen, who made their "Can Do" slogan famous, rolled out at 4:30 a.m. for breakfast and (with the exception of time out for meals and short breaks) were on the job until around 8:30 p.m., when there was no longer sufficient light to see to work.

Carrying out work that comes under the heading of NWC's Natural Resources Management Program, the Seabees cleaned out two water-producing springs, erected fences to prohibit wild burros from getting at the source of the springs, and installed water troughs outside the fences



PIPELINE TRENCH DUG — Using a back hoe, EO2 Art Pankey digs a trench in preparation for laying pipeline from a spring in Layton Canyon to a large trough that will collect water for consumption by wild burros in the area.

for use by the burros.

In addition, they built two concrete pads in front of water guzzlers (400 gallon capacity fibre glass containers) which previously had been set in place in Amity Canyon to collect water for smaller animals and birds that inhabit the area. Purpose of

Photos by Ltjg. Dan Hambrock

the concrete pads is to prevent damage to the guzzlers during periods of peak run-offs following heavy rains. From the spring at Layton Canyon, the

Seabees laid 230 ft. of 4-in. pipe, and also installed 100 ft. of pipeline from Amity Spring. Both pipelines led to watering troughs that were made by cutting off the top halfs of 1,000 gallon metal fuel tanks previously used in military aircraft. One of the problems encountered, Ltjg.

Hambrock reported, was the fact that the Seabees didn't know the exact location of the spring in Layton Canyon. However, BU2 Mike Peterson came to the rescue by developing a "water witch" from two pieces of galvanized wire and followed a technique he had seen used successfully while he was a young boy living in Texas.

The camp set up by the Seabees included

a wooden-framed building with a tent top for living quarters, a cook tent and a shower trailer. Electric power for lights and communication was provided by a portable 30 kilowatt generator.

Convoyed here from Port Hueneme by the Seabees were a variety of tactical vehicles needed to carry out their work. These included jeeps, a weapons carrier, two 5-ton dump trucks, a 5-ton cargo truck, two 5-ton semi-truck low boys, a 5-ton wrecker, a combination front-end loader and back hoe, and a 1,500 gallon water truck with 400-gallon capacity trailer.

A motion projector and movie films were also brought along for entertainment at night, and the Seabees found the desert wildlife unusually interesting to observe in their spare time.

"The jackrabbits were so tame you could almost walk up and pet them before they scampered off," Ltjg. Hambrock stated, while the coyotes were only a bit more skittish. The Seabees soon discovered that when approached, coyotes would get up and trot away about 30 ft. before sitting down and watching the workmen again.

Equally curious were the wild desert burros, who kept a constant watch on what the Seabees were doing in their water supply area.

One particular lizard became such a busy in the local area.

familiar sight around the campsite that he was nicknamed "Fatboy" by the Seabees. who befriended him by catching insects for the reptile to eat.

Other than the problem of locating the water source at Layton Spring, the Seabees had some difficulties due to vehicle tires being punctured by sharp rocks and thorns from mesquite bushes.

Ltjg. Hamrock expressed appreciation for the help received from BUCS W. T. Cava, Self-Help Project Officer in the NWC Public Works Department, and his men, and also had special words of praise for Tony de la Cruz, a Security Department



HOT WORK — It didn't take long to work up a sweat while using a shovel to clean out a water seep that feeds Amity Spring. Shown above doing just that is SWC Bob Reagan, assistant officer-incharge of Seabee Team 1024.

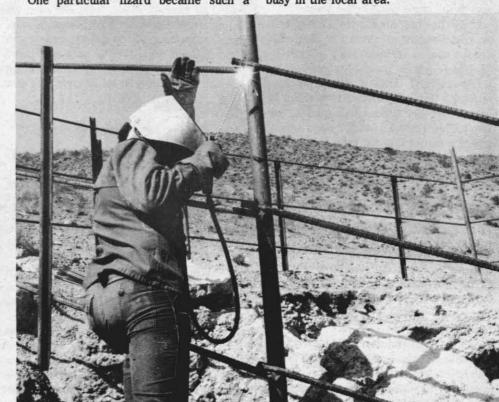
range guard, who visited them regularly. There was radio communication from the Seabees' base camp to the job sites where the Seabees worked, and also between the base camp and NWC headquarters to make sure that everything was going along all

In addition to Ltjg. Hambrock, O-in-C of Seabee Team 1024, others here from Port Hueneme were SWC Bob Reagan, the assistant O-in-C; EO1 Bill Cline, EO2 Art Pankey, SW1 Randy Matt, UT1 Millard Stump, HM1 John "Doc" Atwood, CM2 Don Kunz, BU2 Bob Kepner, CE2 Ernie Garcia, and EA3 Gary McCollom.

One additional member of Seabee Team 1024, CM1 Tui Sunia, was on TAD participating in all-Navy softball competition at San Diego while his co-workers were



NO PLACE LIKE HOME — Members of Seabee Team 1024 from the 31st Naval Construction Regiment at Port Hueneme found the living pretty much on the primitive side while they provided a helping hand improving natural springs and water-collecting devices for wildlife use in Layton Canyon and at Amity Spring.



BURRO BARRIER — Fencing around the natural springs at Layton Canyon and Amity Springs was erected to prevent wild burros from digging down for water and clogging up the springs. SW1 Randy Matt was one of the Seabees who handled the hot job of welding sections of the structural steel fence together.



received bachelor's degrees in business administration from Cal- Administration; Vicki Ayers, NWC program coordinator; Dr. Yvonne McCabe, Elaine Wunderlich, Josephine Kajiwara, Paul Riley, dean of students at Cerro Coso Community College. four of the program's administrators. The latter are Dr. Robert program began here in 1972.

State, Bakersfield. They are (front row, I.-r.): Virginia Smith, Roy Dull, dean of Cal-State's continuing education program, and row (I.-r.) are Robert Gritton, Jessie Burfeindt, Donette Capello, photo. The students completed from two to four years of study at Kerry Lytle and Leo Ponder, all graduates, who are lined up with the NWC Training Center to earn their BA degree. The Cal-State -Photo by Ron Allen