

Children's Center schedules varied summer programs

Polly Ferraro, director of the Children's Center, has scheduled a variety of activities during the summer for children preschool age through eight years old.

A summer day camp will begin next week for youngsters 6 to 8 years of age who are enrolled in the Children's Center. Dora Murrin, Kathy Larosche, Denise Easton, and Tina Strange, Children's Center employees, will teach the children some arts and crafts and will join them in field trips.

The drop-in center will hold special classes for pre-school children.

Enrichment classes in preparation for kindergarten will teach fundamental pre-math and reading skills. These sessions will be taught by Colleen Hill, who holds a degree in child development and has seven years of experience teaching small children.

Ballet classes for children from 3 to 8 years of age will be held on Tuesdays starting June 16. Kindergartners will meet from 2:30 to 3:30 p.m.; 3-year-olds from 8:30 to 9:30 a.m.; 4-year-olds, 9:30 to 10:30 a.m., and older first and second grade children from 1:30 to 2:30 p.m. The fee for the ballet classes is \$15 for six weeks of instruction.

Field trips are being planned to various places throughout the Indian Wells Valley. In addition, a trip is being scheduled in August to visit the Ringling Bros., Barnum and Bailey Circus in Anaheim.

The Children's Center, in conjunction with the Recreation Coordination Office, will be having swim hours and offer swimming lessons in the various swimming pools on the Center.

Pottery classes for school age children in kindergarten through second grade are planned for this summer. The fee will be about \$2 per student to cover the costs of materials. The sessions will begin sometime in July. The pottery classes will be taught by Carol Hape from the Hobby Shop.

For further information about activities being planned by the Children's Center contact Polly Ferraro, director, by calling NWC ext. 2735.



CHILDREN'S CENTER RECEIVES DONATION — A check for \$275 was presented recently to the Recreational Services Department's Children's Center to make possible the purchase of various items that otherwise could not be provided. This donation from the First Class Ways and Means Committee was presented by AQI Larry Woeller, president of the committee, to Joey Hibbs, who attends the Children's Center. Looking on during the check presentation are AMH1 Ed Lampe, vice-president of the committee, and Polly Ferraro, director of the Children's Center. —Photo by Jeff Johnson

Volunteer child care workers help to minimize cost of center

The cost of child care at the Recreational Services Department's Children's Center has not followed the general upward spiral of costs because of the help of volunteers.

These volunteers include not just the parents of children enrolled in the center, but also members of the First Class Ways and Means Committee, and the personnel of the Parachute Systems Department.

The First Class Ways and Means Committee has presented the Children's Center with a \$275 check to help purchase items that could not otherwise be provided. Parachute Systems Department personnel will help install playground equipment for "our children."

The volunteer program at the Children's Center was originally organized to help people who needed its services but could not afford the fees. With this in mind, for each hour that a parent served as a volunteer, two hours of free child care could be earned. One of those hours would be used if the child was in the Children's Center while its parent served as a volunteer.

On seeing the need, other parents also volunteered their time and skills.

Fuze, Sensors Dept. to hold 7th annual old fashioned picnic

The seventh annual spring round-up and old fashioned picnic, sponsored by the Fuze and Sensors Department, is scheduled tomorrow at McBride Park in the China Lake housing area.

Code 33 employees, retirees, children and guests are welcome to attend. Activities will include volleyball, horseshoes, and softball. Games for the kiddies will start at 3 p.m., with a potluck dinner to follow.

People with last names beginning with letters A through M are asked to bring a main dish and salad sufficient to serve their family plus two other persons; those with last names beginning with letters N through Z are asked to bring a main dish and dessert sufficient for their family plus two other persons.

Ice will be available to keep the salads chilled, and "solar heating" will be available to keep the main dishes warm. All picnickers are asked to bring their own table service.

Iced tea, lemonade, soft drinks and beer will be provided. In addition, Betty Yingst will have a wine cooler booth with proceeds going to the Navy Relief Society.

Musical entertainment during the afternoon will be provided by "The Desert Express," a 5-piece local country/western band, and also by a group of Center employees.

During the past 10 months, 25 volunteers have donated about \$10,000 in work hours, resulting in a net saving to the Children's Center of about \$6,000.

Both men and women have aided in the classroom, prepared art work for bulletin boards, prepared lunches and snacks, made and repaired toys and games, and helped keep the facility tidy.

Fathers who have unusual working hours have helped make small repairs around the buildings, and also helped out by taking the children to the park for their outdoor activities.

Les Saxton, head of the Recreational Services Department, presented certificates to these dedicated volunteers at a recent ceremony, attended also by Polly Ferraro, director of the Children's Center.

Cynthia Garvin, who coordinates the volunteer program, received an Outstanding Performance certificate.

Volunteers acknowledged were Cheryl Nix, Victoria Villapando, Anita Paiz, Tina Strange, Juanita Morton, Bruce Nix, Kathy Tjosvold, Audrey Evans, Laura Desandre, and Mary Schwartz.

Others unable to take present to receive their awards were Sharon Tracey, Carol Moore, Linda Burke, Debbie Percy, Charlotte Hille, and Bette Parris.

Newly established desert arts council meeting set Monday

The High Desert Council for the Arts, a newly formed organization whose long-range goal involves the development of a civic and arts center for the entire upper Mojave Desert in the City of Ridgecrest, will meet to discuss organization and personnel business on Monday at 11:30 a.m. in the Sylvia Winslow Exhibit Gallery at the Maturango Museum.

Until the council gets organized and a set of by-laws is established, the group will be holding meetings about every two weeks. Eventually, monthly meetings will be established.

Organizations interested in the arts and individual artists, performers, craftsmen, photographers, sculptors, and the public are invited to attend the upcoming luncheon meeting.

The High Desert Council for the Arts, established in April, is designed to be a clearing house for communication, coordination and cooperation between and among participating individuals.

For more information about the High Desert Council for the Arts, contact the Maturango Museum of the Indian Wells Valley by calling 446-6900.

Dart tourney, dance proceeds to benefit Jude Gibault Center

A benefit dart tournament and dance marathon will be held tomorrow in the exhibition building at the Desert Empire Fairgrounds in Ridgecrest with proceeds benefiting the Jude Gibault Center, a residential care center for handicapped adults.

The two day dart tournament with prizes awarded to winning competitors will begin at 11 a.m. Saturday and continue until 7:30 p.m. Winners on Saturday and those who have not played their matches will continue on Sunday beginning at 11 a.m. The entry fee for singles is \$7.50 and for mixed doubles \$10.

Following the dart tournament on Saturday at 7:30 p.m. a dance marathon will be held. The entry fee for the contest is \$15 per couple and prizes will be awarded to winning couples.

Persons interested in signing up for either the dart tournament or the dance marathon can do so at the following locations: Clancey's Claim Co., High Desert Home Center, MacKenna's Pub (formerly Trader May's on Highway 395), Bamboo Club, J.D.'s, Time Out, High Desert Saloon, The Hut in Inyokern, and Home Town Realty in Inyokern.

These events are sponsored by members of the board of directors of the Indian Wells Valley Association for Retarded Citizens.



Commissioned Officers' Mess

Two special evenings of dining are on the agenda next week at the Commissioned Officers' Mess.

Next Tuesday, the COM chef will prepare a barbeque night menu featuring a country platter of pork spareribs and chicken, country fried potatoes, corn-on-the-cob and hot biscuits and honey.

On Thursday, June 18, a complete dinner consisting of a choice of either beef Yakitori or shrimp Tempura will set off the Japanese night menu.

Dinner on both evenings will be served from 6 to 9 o'clock.

Enlisted Mess

"Satisfaction," a 4-piece rock-music band from the Los Angeles area, is making its first appearance at China Lake tonight at the Enlisted Mess.

"Satisfaction" will play for the listening and dancing pleasure of EM patrons from 9 p.m. to 1:30 a.m.

A seafood plate, the main item on the EM menu this evening, will be served from 6 to 8:30 o'clock.

Blue Cross field rep. to visit Center June 24

Robert C. Herb, a Blue Cross-Blue Shield insurance field representative, will pay a visit to the Naval Weapons Center on Wednesday, June 24.

Herb will be in the Personnel Building conference room from 8 a.m. to 12:30 p.m. on June 24. Those wishing to see him can make an appointment to do so by calling Eileen Baird at NWC ext. 2592 or 2018.

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ASE3 James R. Houston

Bluejacket of Month honor goes to Houston

Aviation Support Electrician 3rd Class James R. Houston has been singled out for special recognition as the Naval Weapons Center's Bluejacket of the Month for May. ASE3 Houston is assigned to duty in the Electrical Branch of the Ground Support Equipment Work Center at Armitage Airfield, where he is a part of the NWC Aircraft Department's Aircraft Support Division.

ASE3 Houston was nominated as Bluejacket of the Month by Lt. L. M. Dyky, who heads the Intermediate Maintenance Branch (Code 6125). He was commended for "exemplifying the outstanding sailor/technician needed in our Navy today."

According to Lt. Dyky, some of the noteworthy attributes possessed by Petty Officer Houston "are the mature judgement of a senior petty officer, the initiative to prevent a problem from developing or start a needed task before he is directed to do so, and the dedication to accomplish all duties most satisfactorily while maintaining an optimistic attitude toward himself and the Navy."

In addition, it was noted by Lt. Dyky that ASE3 Houston has contributed many hours of voluntary overtime to insure that the

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NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA

Patent on improved version of absolute reflectometer applied for by scientist

By Freddie Perry

Webster defines research as an investigation or experiment aimed at the discovery and interpretation of facts. A simple definition for a difficult task.

Developing new instruments and redesigning old ones to make those discoveries and conduct those "investigations is also part of research and that is part of what's happening in the Physics Division of the Research Department.

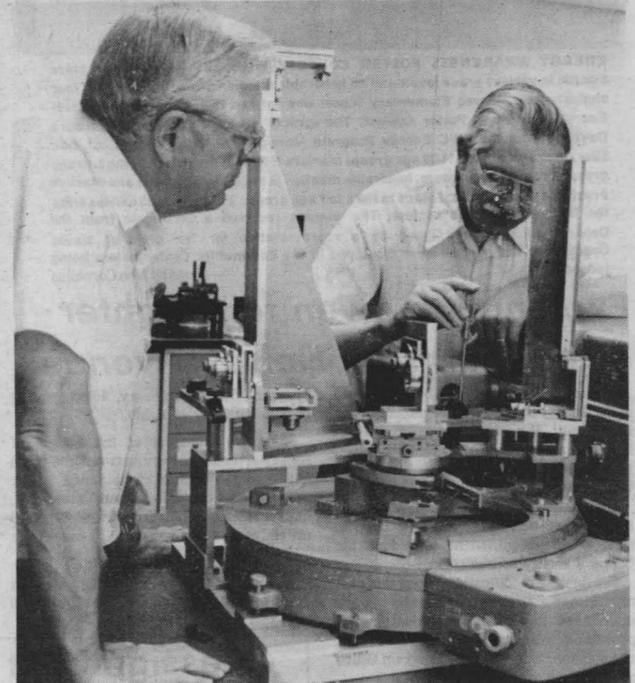
For example, Dr. Harold E. Bennett of the Physics Division recently applied for a patent on an improved version of an absolute reflectometer (an instrument for making reflectance measurements). He holds three other patents on reflectance measuring instruments, the first for an instrument he invented in the early 1960s.

Twenty years ago accurate reflectivity measurements could not be accomplished with commercially available instruments, so Dr. Bennett set out to develop an instrument that could measure reflectivities more accurately.

He based his invention on the Strong absolute reflectometer, which he considered to be the best instrument available. Dr. Bennett's design employed a double reflection technique using strategically placed spherical mirrors. By using spherical mirrors instead of plane mirrors, the measurement of a mirror sample's reflectance became insensitive to sample tilt (the major cause of errors in reflection measurements).

"We developed an absolute reflectometer that was accurate to about one part in 1,000 — a tenth of a percent accuracy," said Dr. Bennett. "Typical reflectance measurements that could be made with

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NEW INSTRUMENT DEVELOPED — Dr. John Wood (at left), visiting professor from Utah State University, watches as Dr. Harold Bennett, makes adjustments on the new multiple-pass absolute reflectometer. This instrument will yield far more accurate measurements of reflectance than heretofore has been possible — an important consideration in the operation of the next generation of mirrors for high power lasers. —Photo by Don Cornelius

Public hearing held on feral burro management't problem

A lengthy, and, at times, emotional public hearing on the alternatives proposed for management of the feral burro population within the boundaries of the Naval Weapons Center was held on the evening of June 3 at the Burroughs High School lecture center.

The audience of between 80 and 90 persons included a sizable number of visitors from outside the local area, most of whom came here to protest the conclusions set forth in the Draft Programmatic Environmental Impact Statement (DPEIS) that call for complete removal of the feral burros by direct reduction (shooting).

Of the 30 persons who took advantage of the opportunity to have their comments (limited to 5 min. each) included in the permanent record of the public hearing, two-thirds were opposed to shooting the burros as means of alleviating the problem they present to the safety of aircraft landing at Armitage Airfield and also to vehicle operators who drive on narrow, desert roads throughout the range area of the Naval Weapons Center.

The two-thirds number did include, however, a majority who saw the necessity for direct removal of the feral burros by shooting, but wanted this step taken only in conjunction with a live trapping program as well.

Also addressed in the DPEIS, and discussed at the public hearing along with the safety hazards posed by the proximity of feral burros to the airfield runways and to range area roads at NWC, was the severe

damage inflicted upon the entire Mojave Desert's fragile ecosystem by the burgeoning population of feral burros in recent years.

The public hearing was opened by the moderator, Capt. Jon Ives, NWC Public Works Officer, who explained that after evaluation of existing safety hazards posed by feral burros, and in view of degradation



DR. STEVEN CAROTHERS, a consultant to the firm that prepared the DPEIS, reviewed the alternatives that were considered for resolving the feral burro management problem.

to the desert environment caused by these animals, the feral burro management plan prepared for the Navy by the firm of Phillips, Brandt and Reddick, of Irvine, Calif., reflects the Navy stand at this time.

The alternative of direct reduction by shooting, he said, is both the most economically and environmentally sound choice, he added.

The NWC representatives and others seated at the table on-stage in the Burroughs High School lecture center, were there to listen to comments from the audience — not to respond in depth to any statements made by those speaking at the hearing, Capt. Ives added.

As a prelude to public comments, however, information on the twofold increase in the feral burro population within the NWC boundaries from 1978 through '80 (due in part to three winters with more than normal rainfall) was presented by Dr. Thomas McGill, natural resources specialist in the Environmental Branch of the Public Works Department at NWC.

Dr. McGill also described and showed film slides of the toll wrought by the expanding feral burro population on the native wildlife of the desert — mentioning as well the safety problems the four-footed beasts pose (especially at night) when they cannot be seen on aircraft runways or range area roads.

"NWC proposes to halt and reverse the damage and eventually hopes to restore the biological equilibrium to the desert land

within its confines," the Center biologist said.

For those unable to attend the public hearing, it was stated earlier by Capt. Ives that written comments on the proposed feral burros management plan will be accepted until June 22 — the end of the 45-day period since release of the DPEIS.

Subsequent to June 22, an Environmental (Continued on Page 5)



RICHARD NEGUS voiced adamant opposition to alleviating the feral burro management problem by direct reduction (shooting).



ENERGY AWARENESS POSTER CONTEST WINNERS — The first place awards in various grade levels and an honorable mention award were won by four students from Vieweg Elementary School who entered their art work in the 1981 Energy Awareness Poster Contest. The contest winners, shown with Barbara DeVries, from the NWC Energy Program Management Office, are (l.-r.) Dan Siler, first place in the 11-13 age group; Marissa Estrada, first place in the 8-10 age group; Frances Greenum, honorable mention in the 8-10 age group; and Marilyn Frazier, 7 years old, first place in the 5 to 7 age group. There were 30 entries from the local area in this contest. The winners received a certificate from the Department of Navy signed by a representative for the Chief of Naval Operations. The posters were displayed in the Community Center before being judged.

Explanation given for brighter street lights on Halsey Avenue

Numerous inquiries have been received at the Energy Program Management Office regarding the increased nighttime illumination of a section of roadway along Halsey Avenue in the vicinity of the Naval Weapons Center main gate. Those who have called to ask about this matter have noted that this was done in spite of the requirement to reduce the Center's energy consumption.

The lighting modifications along this part of Halsey Avenue originally were undertaken to alleviate electrical circuit problems that had required frequent maintenance work, Energy Program Office spokesmen explained.

In addition, the widening of Halsey Avenue provided the opportunity to revamp the street lighting system there by Registration for MA in Management slated on June 17

Registration for a Master of Arts in Management program to be offered locally by the University of Redlands will be held next Wednesday evening, June 17. At press time for this issue of the Rocketeer, the location where prospective students may sign up wasn't yet determined. Information about this can be obtained by calling Sam J. Miller at NWC ext. 2181, or after working hours at 375-7797. This 12-month program is being offered by Redlands University for students who wish to continue striving for educational objectives while pursuing career goals.

Promotional opportunities

Applications (Standard Form 171) should be put in the drop box located at the Reception Desk of the Personnel Department, Bldg. 34. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current appointable (i.e., career/career conditional and VRA) NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 2049. 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. Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

Announcement No. 00-009, Secretary (Typing), GS-318-4/7, PD No. 8100006N, Code 02 — This incumbent provides clerical and administrative assistance to the Commander of the Naval Weapons Center. Incumbent's duties are: Receives visitors and phone calls; exercises control over appointments; determines nature of calls or business of visitors; receives and reviews all incoming mail; routes mail; maintains files; advises NWC secretaries on administrative and procedural requirements and instructions and makes travel arrangements. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; knowledge of the Center organization and functions, and MIL/VIP protocol; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Promotion potential to GS-8. Supplemental Qualifications Statement required, along with 171. Supplemental available at Bldg. 34, Rm. 208, from Susie Cross. Previous applicants need not apply.

Announcement No. 00-009, Secretary (Typing) GS-318-5/6, PD No. 8100006N, Code 02 — This position is located in the office of the Chief Staff Officer, Naval Weapons Center. The incumbent is the personal secretary/assistant to the Vice Commander, Naval Weapons Center. The incumbent is responsible for the effective operations of the Vice Commander's office and the management of his time and schedule; performs such duties as maintaining all files, typing letters, memoranda, from rough drafts, notes, machine dictation or oral instruction; opening, screening and routing mail; handling and controlling material; screening publications for items of interest; answering and screening phone calls; greeting and assisting visitors; screening classified and unclassified messages; answering the more routine correspondence for the Vice Commander, personnel and budget duties as needed. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Supplemental Qualifications Statement required, along with 171. Supplemental available at the Personnel Bldg., Rm. 208, from Susie Cross.

Announcement No. 00-009, Secretary (Typing) GS-318-3/4, PD No. 7408003N, Code 0842 — Position is located in the Cost Accounting Branch of the Office of Finance and Management. The incumbent is a trainee in the Cost Accounting Branch performing tasks on a rotating basis with one of the three sections. Major contracts, government orders and F/C, and commercial orders. He/she codes and processes purchase documents, files and maintains files of paid documents, posts entries on reconciliation sheets, and assists in monitoring control log transactions. Job Relevant Criteria: Ability to work with figures; ability to perform routine clerical duties; ability to maintain a high level of accuracy in work requiring close attention to detail. Promotion potential to GS-5.

Announcement No. 24032, Police Officer, GS-083-3/4, PD No. 724034N, Code 2413 — Position is located in the Patrol Branch of the Police Division, Safety and Security Department. The incumbent performs basic law enforcement duties under the direction of a field training officer or a police supervisor. Routine cases, traffic control, traffic citations and investigation of NWC administrative violations may be handled independently. Incumbent must be available to work any one of three shifts. Applications will be accepted from reinstatement/status eligibles. Supplemental is required and may be picked up from the receptionist in the Personnel Bldg. Promotion potential to GS-5. This advertisement is rerun as previous announcement omitted potential. Previous applicants will be considered without reapplying.

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Announcement No. 62029, Electronics Engineer, DP-855-2/3 PAC No. 8162511, Code 6243 — This position is located in the Telemetry Technology Branch, Telemetry Division of the Range Department. Incumbent will perform engineering design, development, and specification of various systems, equipment, and components for electronic measurement, timing, recording, control, and communication necessary to meet data and operational requirements of various missile programs. Incumbent performs technical studies and analysis of data recording in order to determine the adequacy of instrumentation and measurement techniques to be applied to specific missile tests and to meet the data requirements. Will devise the standard and special calibration procedures required to insure the accuracies and validity of recorded data. Job Relevant Criteria: Must have a BS degree in EE or equivalent experience; must have at least four years experience in the design, development, test, and analysis of electronic circuitry and components used in testing guided weapons systems. To apply for this position, contact Don Scofield, ext. 2613.

Announcement No. 6230, Electronics Engineer, DP-855-2/3 PAC No. 8162512, Code 6241 — This position is located in the Telemetry Technology Branch, Telemetry Systems Branch, Telemetry Division of the Range Department. Incumbent will perform engineering design, development, and specification of various systems, equipment, and components for electronic measurement, timing, recording, control, and communication necessary to meet data and operational requirements of various missile programs. Incumbent performs technical studies and analysis of data recording in order to determine the adequacy of instrumentation and measurement techniques to be applied to specific missile tests and to meet the data requirements. Will devise the standard and special calibration procedures required to insure the accuracies and validity of recorded data. Job Relevant Criteria: Must have a BS degree in EE or equivalent experience; must have at least four years experience in the design, development, test, and analysis of electronic circuitry and components used in testing guided weapons systems. To apply for this position, contact Don Scofield, ext. 2613.

Announcement No. B-42-5, Electronics Engineer, DP-855-2 or DP-855-3, PAC Nos. 8162522 or 8042508E, Code 62354 — This position is located in the On-Axis Section, Range Development Branch, Range Instrumentation Support Division, Range Department. Incumbent will work on the On-Axis Development Program relating to the application of electronic design principles to meet specified functional performance requirements of electronic systems. Job Relevant Criteria: Knowledge in microprocessor system design; digital system design; radar; television; and encoder/resolver. To apply for this position contact Stu Fields, Code 6235, ext. 6350.

Announcement No. B-42-5, Interdisciplinary, DP-2 or DP-3, PAC Nos. 8164501 & 8164502, Code 6403 — (Two vacancies) This interdisciplinary position serves as a program manager of the Technical Programs and Systems Engineering Staff of the Parachute Systems Division (Code 64). The incumbent will direct or assist the design, development, testing and operational support of an assigned program in the parachute and escape systems area. Incumbent implements and monitors contracts, directs the development and evaluation of new design approaches for systems applications. Also conducts liaison with NAVAIRSYSCOM and Navy field support activities. To apply for this position contact Dave Brown, Code 6403, ext. 3449.

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SKIPPER IN ACTION — Signalling the start of the benefit softball game between the BofA gals and the Credit Union Chicks, Capt. William B. Haff, NWC Commander, pitches the first ball. —Photo by Don Cornelius

Softball scores . . .

(Continued from Page 6) The High Desert Saloon team broke things open with a 16-run bonanza in the first inning and added 8 more tallies in its second turn at bat. The Renegades, who hold down second place in the National Division, had little trouble disposing of the ERA Raiders, an American Division team that prior to last week had won just one game all season. The Raiders led briefly 10-8 in the top of the third inning, but a steady parade of runs by the Renegades turned that situation around in short order.

Three home runs by Gordy Irvin and one by Bobby Brown paced the Renegades' 18-hit attack. CSC HANGS ONTO LEAD In the Women's Division of the Slow Pitch Softball League, the first place CSC squad scored three runs in its last two times at bat to edge the IWV Dairy squad 5-4.

The Dairy team built up a 4-0 lead in 3 1/2 innings of play, but was shut out after that, while the division leaders tallied twice in the fourth and two more times in the sixth inning, before pushing across the game-winning tally in the bottom of the seventh.

Sandy Walters, of the IWV Dairy squad, had three hits (a triple, double, and single) in three times at bat. A teammate, Debbie Knight also had a triple, as did Abby Grant for CSC.

Results of the only other Women's Division games played last week were NWC Gatlin Girls 20, Hot Trotters 12, and High Desert Home Center 36, Home Town Realty 4.

FIRST WIN OF SEASON In the first win of the season for the Gatlin Girls, the NWC team scored five runs each in the first and second innings, and then added ten more in the third. The contest was cut short after 3 1/2 innings of play as the Hot Trotters who scored 11 runs in their last two turns at bat, were beginning to get warmed up.

The High Desert Home Center team pounded out 25 hits in its 36-4 win over Home Town Realty. A pair of 13-run innings enabled the victors to build up a 36-1 lead before the Realtors tallied three times in the bottom of the fifth and final inning of play. Debbie Reider had four hits in four times at bat, including a home run, two triples and a double for the High Desert Home Center team. Michelle Strawmyer hit a home run and a double in a losing cause for Home Town Realty.

Just one game was played last week in the Military Division, and it resulted in an 18-17 win by Oly's over the Rippers. In this nip and tuck contest, the Oly's squad, which trailed 12-11 after six innings of play, gave up five runs to the Rippers during their turn at bat in the seventh and final inning. Oly's not only overcame this 6-run deficit of 17-11, but tacked on another run for good measure to win the game by a final score of 18-17.

Widely varied youth activities planned in June

A Disneyland trip for youngsters 12 to 17 will highlight a full schedule of events slated during June for young people by the Recreational Services Division.

Other events include two youth basketball clinics, a bicycle clinic, seven summer matinees, "Kid's Night Out," and golf lessons.

On June 18, the Recreational Services Division has scheduled a trip to Disneyland for youths from the ages of 12 to 17. A van will leave the recreational services parking lot at 6 a.m. and return at approximately 10 p.m. Military dependents can sign up now. Sign up for civilian dependents will begin Monday, if space is available.

The price, which includes transportation and admission into the park, is \$17.50 for

military dependents and \$20.80 for civilian dependents.

Two youth basketball clinics, one session for grades 2 and 3 and another for grades 3 and 4, are scheduled this month at the youth gym.

Instruction in dribbling and passing the ball, lay-ups, and team play will be given by Rick Sbrocca.

The first session, for grades 2 and 3, will begin on June 22 and be offered on weekdays through June 26; instruction takes place from 9 to 11 a.m.

The cost per child for the basketball clinic is \$8.50, payable at the time of registration at the NWC Recreation Coordination Office.

The second basketball clinic, for grades 3 and 4, is slated June 30 through July 16, and

will take place on Tuesdays and Thursday from 9 to 11 a.m.

The same fundamental skills will be taught at this clinic. The \$9 fee is payable at the time of registration at the NWC Recreation Coordination Office, located next to the gymnasium.

"Kid's Night Out," scheduled for every Wednesday night, will be held at the NWC youth center skating rink. Activities such as bingo, table games, dancing, ping pong, and air hockey, are planned for youths 6 to 17. The fee is \$1 and activities will be held from 6:30 to 9:30 p.m.

Youth golf lessons will also be offered this month. They are scheduled on Tuesday, Wednesday, and Thursday mornings from 10 to 11 a.m. beginning June 23 and continuing through July 9. Nancy Webster will instruct interested youths at the China Lake golf course.

Instruction in various strokes, pitching, putting, chipping, use of irons and woods, along with golf courtesy will be emphasized in this three week program.

Registration will take place at the golf course. The fee is \$9 per student.

"Bike Repair and Bike Ride," a bicycle clinic, conducted by Rick Sbrocca, will take place on June 15 from 9 to 11:30 a.m. at the Youth Center Annex, behind the Recreation Coordination Office.

This clinic will include instruction in bicycle maintenance, covering such things as adjusting the handlebars and seat, proper lubrication, and changing tires.

Softball game between BofA gals, Credit Union Chicks raises \$200 for Sr. Citizens

Nearly \$200 for the benefit of the Senior Citizens' program in Ridgecrest was raised by a benefit softball game held last Saturday afternoon at Reardon Field between teams of women players representing the Ridgecrest Branch of the Bank of America and the NWC Federal Credit Union.

The final score was 18-10 in favor of the BofA gals over the Credit Union Chicks.

Capt. William B. Haff, NWC Commander, took part in the game-opening ceremony by pitching the first ball, and the game officials were Robert Norman, Ridgecrest

chief of police, and Charles Porter, judge of the East Kern Municipal Court.

The Credit Union Chicks prevailed upon Denny Kline, program coordinator in the NWC Public Affairs Office, to serve as team mascot by suiting up in a chicken costume for this fun-filled game, while the BofA gals brought a pony to the playing field as their mascot.

The warm weather helped to boost the sale of soft drinks and beer that were donated by several firms and business places in Ridgecrest as an assist to the Senior Citizens' program.

Promotional opportunities

(Continued from Page 2) Announcement No. 24-097, Engineering Equipment Operator, WG-5716-11, JD No. 550N, Code 24444 — Position is located in the Range Section, Maintenance-Utilities Division of the Public Works Department. Incumbent is required to operate such equipment as bulldozers, graders, backhoes, gradallers, caterpillar tractors with scrapers, rollers, skip loaders, etc. to scrape, scoop, roll and level areas on the Center. Incumbent works on ranges and test areas to relevel, build roads, haul and position equipment, build airstrips, and create remote tracking and experimental sites. May operate a transit and do basic surveying or will work for precise tolerances for range stakes set by engineers. Is responsible for satisfying fine grade requirements in a minimum working time. Requirements are exact to ensure properly banked curves, slopes, shoulders, and drainage features. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; ability to perform operational maintenance; reliability and dependability; ability to interpret instructions, specifications, etc.; ability to operate equipment safely. Supplemental Qualifications Statement is required and may be picked up at the reception desk or in Rm 210 of the Personnel Bldg.

Announcement No. 24-098, Elevator Mechanic, WG-5313-1, JD No. 558N, Code 24424 — Position is located in the Electrical Maintenance Shop, Maintenance-Utilities Division of the Public Works Department. Incumbent inspects, tests, overhauls, and repairs various types of automatic, semi-automatic, or manually operated freight or passenger elevators, making both mechanical and electrical repairs and adjustments. Incumbent makes periodic inspections of elevator installations. Incumbent works with riggers in operation of hoisting equipment and securing cars, drums, counterweights, and similar parts, and installing cables. Job Relevant Criteria: Ability to do the work of elevator mechanic; knowledge of elevator systems and service practices; ability to use elevator technical information; knowledge of elevator parts and equipment; ability to find and eliminate elevator troubles. Supplemental Qualifications Statement is required and may be picked up at the reception desk or in Rm. 210 of the Personnel Bldg.

Announcement No. 32-016, Mathematics Aid, GS-1521-4, PD No. 813020, Code 3242 — (This position is part-time approximately 32 hrs. a week.) This position is located in the Thermal Structures Branch, Ordnance Systems Department. The incumbent is responsible for: reducing data into a variety of formats such as graphs, figures, tables, and computer files; preparation of engineering design; creation and use of data files on several computers. This work is performed in support of projects in all areas of the branch. Job Relevant Criteria: Knowledge of mathematical concepts; knowledge of techniques in the calculation and reduction of quantitative data; ability to communicate orally and in writing; ability to operate computer equipment. (This position has promotion potential to GS-5; however, promotion is not guaranteed.)

Announcement No. 32-017, Secretary (Typing), GS-318-4, PD No. 8022033, Code 32 — Incumbent serves as secretary to the head, Ordnance Systems Department, provides office services, assures that the secretaries within the department receive proper training and direction in the performance of their duties, maintains close liaison with administrative and budget personnel. Job Relevant Criteria: Ability to perform secretarial functions; knowledge of NWC organization and policies; ability to type efficiently; demonstrated ability to deal tactfully and efficiently with both the public and all levels of NWC employees; demonstrated ability to communicate effectively and correctly in writing; ability to maintain Navy filing system. (This position has promotion potential to GS-7; however, promotion is not guaranteed.) Supplemental Qualifications Statement is required and may be picked up at the reception desk of the Personnel Bldg.

Announcement No. 33-011, Secretary (Typing), GS-318-4, PD No. 8232924N, Code 33062 — This is an intermittent position. Incumbent provides clerical support to the Interactive Graphics Program Office of the Fuse and Sensor Department. The incumbent's duties include: maintaining calendar; receiving and directing visitors and phone calls;

reviews correspondence; receives and distributes incoming mail; maintains files; prepares and handles time cards; travel orders and itineraries; purchase orders for materials, supplies and equipment; types from rough handwritten drafts or machine dictation. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Supplemental Qualifications Statement required, along with 171. Supplemental available at the Personnel Bldg. in Rm. 208 from Susie Cross.

Announcement No. 38-019, Secretary (Typing) GS-318-5, PD No. 8138008, Code 3803 — This position is located in the Independent Research and Development/Technology Utilization Office, Research Department. The incumbent provides administrative and clerical support to the head, Code 3803. The incumbent reviews all incoming industry correspondence, brochures, and reports to insure proper handling. The incumbent coordinates the evaluation of technical efforts by NWC scientists and engineers.

Announcement No. 38-019, Secretary (Typing) GS-318-5, PD No. 8138008, Code 3803 — This position is located in the Independent Research and Development/Technology Utilization Office, Research Department. The incumbent provides administrative and clerical support to the head, Code 3803. The incumbent reviews all incoming industry correspondence, brochures, and reports to insure proper handling. The incumbent coordinates the evaluation of technical efforts by NWC scientists and engineers.

Announcement No. 39-015, Secretary (Typing), GS-318-04, PD No. 8209151N, Code 39 — This position is located in the Electro-Optics Division of the Weapons Department. The incumbent provides clerical support to the division head, associate head, and administrative officer; advises and assists the secretaries of the project office and four branches, and coordinates the clerical workload; receives visitors and phone calls to the division office; sorts, screens and distributes incoming mail; prepares outgoing correspondence; reviews all correspondence submitted for division signature; makes appointments for the head and associate head, and schedules meetings and conferences; makes travel arrangements for division office staff; maintains office supplies, files, and records. Job Relevant Criteria: Knowledge and skills to coordinate the work of the office with other offices, shifting the clerical support among the branches and program offices; ability to take care of fluctuating work-load; ability to advise secretaries in subordinate offices on new procedures or regulations.

Announcement No. 39-016, Electronics Technician/Computer Specialist, GS-854-9/11/12, GS-334-9/11/12, PD No. 8139022E/8139022E, Code 3914 — This position is located in the Simulation Services Branch, Weapons Synthesis Division of the Weapons Department. The incumbent will participate in the design, development, upgrading, and maintenance of hardware and software in the Hybrid Simulation Laboratory, including both analog and digital computers, interfaces between computers, and interfaces to project unique hardware. The incumbent will assist in the integration of RF hardware and control computers in the RF hardware-in-the-loop facility. Job Relevant Criteria: Knowledge of electronics; ability to work independently as a member of a team; willingness to learn analog and digital computer operation.

Announcement No. 39-017, Interdisciplinary, Level 2/3 position, (EIP) Code 39017, Code 39017/2/3, Mechanical Engineer, DP-830-2/3, Aerospace Engineer, DP-830-2/3, PAC No. 8185302E, Code 3914 — This position is located in the Simulation Services Branch, Weapons Synthesis

Division, Weapons Department. The incumbent will conduct hybrid computer simulation studies using the analog and digital computers in the Hybrid Simulation Laboratory. The incumbent will develop mathematical models; develop, program, and operate hybrid computer simulations; integrate IR, RF, or autopilot hardware-in-the-loop into the simulations; perform system analyses in support of major NWC missile development programs. Job Relevant Criteria: Knowledge of fundamentals of computer simulation and simulation systems; willingness to learn hybrid computer and hardware-in-the-loop simulation techniques.

Announcement No. 39-018, Electronic Engineer, PAC No. 8139529E, DP-855-2/3, Code 3911 — This position is located in the RF Anti-Air Branch of the Weapons Department. The incumbent supports development of the RF Hardware-in-the-Loop Missile Simulation System. This is a "state-of-the-art" RF simulation facility, including distributed targets, multiple ECM, and environmental effects. Primary responsibilities are to develop and refine the RF generation systems, and an instrumentation and test/checkout system. As part of this job, the incumbent will work with the digital computer interface. The incumbent will also work with people developing missile simulations and target/environmental simulations. Job Relevant Criteria: Knowledge and experience with RF/microwave instrumentation and testing; knowledge of RF missile seekers; knowledge and experience with digital computers and digital control; interest in simulation.

Announcement No. 39-018, Electronic Engineer, DP-855-3, PAC No. 8135529E, Code 3922 — Position is located in the Advanced Technology Branch, RF Development Division of the Electronics Warfare Department. Incumbent will be responsible for simulation of the radar range equation. Included will be simulating target effects, propagation losses, radar wave form design, clutter analysis, etc. Job Relevant Criteria: Ability to apply basic computer skills; knowledge and understanding of the theoretical aspects of radar; ability to communicate effectively orally and in writing; ability to deal effectively with others.

Announcement No. 39-027, Computer Scientist, PAC No. 8135232E, DP-1550-2/3, Code 3511 — Position is located in the Computer and Software Systems Branch, Systems Sciences Division, Electronic Warfare Department. Position is as the lead software systems engineer for the HARM computer support facility. This facility is comprised of a PDP-11/780 VAX and associated real time dedicated minicomputers. Incumbent will support operating system software on the VAX and the several other computers, as well as FORTRAN simulation and data reduction software using a PGM Dedicated graphics system with color hardcopy capability. Job Relevant Criteria: Working knowledge of real time simulation; ability to use software tools to develop a microenvironment; ability to deal effectively with others; ability to communicate clearly orally and in writing.

Announcement No. B-42-5, Electronics Engineer, DP-855-2 or DP-855-3, PAC Nos. 8162522 or 8042508E, Code 62354 — This position is located in the On-Axis Section, Range Development Branch, Range Instrumentation Support Division, Range Department. Incumbent will work on the On-Axis Development Program relating to the application of electronic design principles to meet specified functional performance requirements of electronic systems. Job Relevant Criteria: Knowledge in microprocessor system design; digital system design; radar; television; and encoder/resolver.



Recreation Roundup

Swim test required for youngsters who use Center pools

Youngsters between 8 and 12 years of age who wish to use swimming pools on the Naval Weapons Center without an accompanying adult are required to take a swimming proficiency test.

These tests are administered at the indoor swimming pool or at any of the outdoor swim pools during their regular hours of operation.

Children who pass the test are issued a patch that is to be sewn onto their swim suits. The charge is \$1 for the original test and 50 cents for renewals.

All boys and girls between 8 and 12 years of age must be tested or retested on their ability to swim each season before they will be permitted to use the swimming pools on the Center without being accompanied by an adult who is responsible for their safety.

RACQUETBALL CHALLENGE NIGHT

A racquetball challenge night program will be started next Wednesday, June 17, from 6 to 8 o'clock at racquetball court No. 2 in the Center gym complex. It will be continued on Wednesday nights at the same time and place.

Participants will be matched in the order that they show up to take part in the challenge night competition.

Use of the racquetball courts is open to active duty military personnel and also to DoD employees who have purchased an athletic membership card; for all others, there is a \$1 daily use fee.

The racquetball challenge night program is being inaugurated by the Recreational Service Department as a means of enabling racquetball players to become better acquainted with other aficionados of this invigorating sports activity.

DECATHLON TO BE HELD

The Southern Pacific Regional Sports decathlon has been scheduled on Tuesday, July 7, at the Naval Training Center in San Diego.

NWC military personnel interested in competing in this event can make arrangements to do so by contacting the Recreation Division, ph. NWC ext. 2335, no later than Friday, July 3.

Those entering the decathlon must compete in at least 10 of the 11 events, including the mile run and obstacle course.

Pistol, rifle teams

represent NWC in Pacific Fleet matches

A group of pistol and rifle marksmen from China Lake left earlier this week for the Naval Air Station, Miramar (in San Diego), to represent NWC in the 1981 Pacific Fleet Rifle and Pistol Championships.

Individual competition was scheduled today and the team events are on tap tomorrow. The scores from these two events will be used for selecting members of an all-Navy rifle and pistol team that will vie in the national championships at Camp Perry in Ohio.

Members of the NWC rifle team are Lt. Denny Wilcox, ABHC Bill Moss, FTMC Nelson Foucher, AZ1 Craig Wilson, AT1 Jim Large, and ASE3 James Houston.

Those on the NWC pistol team are Cdr. Hal Pheny, Lt. John Gilbert, ABHC Bill Moss, FTMC Jeff Mattick, and PR3 Cliff Matthews.

The NWC rifle and pistol teams left here on Tuesday in order to get in a few extra days of practice in preparation for the Pacific Fleet competition.

Clancey's nearly wins league softball contest

During a week of action that saw a number of games played between American and National Division teams competing in the men's open play of the Ridgecrest Recreation Department's Slow Pitch Softball League, Stare Montagne and ARCS wound up in a first place tie in the American Division, while the undefeated Villains tightened their grip on the National Division lead.

The Clancey's-Home Center team, which has yet to win a game, nearly pulled off the upset of the season — only to come out on

the short end of a 11-10 final score against Stare Montagne.

Stare Montagne held an 11-7 lead after six innings of play, and appeared to be on the way to a routine win, only to let the game nearly slip out of the bag when the Clancey's-Home Center squad came up with a 3-run rally during its last turn at bat.

Heavy hitters in this game were Bennie Williams, of Stare Montagne, who had a home run and two singles in four times at bat, and Jim Byrd, whose three hits in four at-bats for the Clancey's-Home Center team

included a triple, a double, and a single.

Compared to this close contest, ARCS waltzed to an 18-7 victory over Vaughn's. The co-leaders of the American Division built up a 11-2 lead after two innings of play and then went on to win handily. Marty Stoner, of ARCS, hit a home run, a double, and a single in three times at bat.

VILLAINS WIN 2 MORE

The Villains, who lead the National Division, picked off the Renegades, also a National Division team, by the lopsided score of 21-11, and then really poured it on Vaughn's by posting a 31-0 win in the second game they played last week.

The Villains, who got off to a 15-5 lead after three innings of play against the Renegades, faced a short-lived threat when the Renegades scored six runs in the top of the fourth, but the Villains clinched their sixth straight win of the season by scoring six more runs in the fourth and fifth innings to wind up with a 21-11 margin of victory. Batting honors in this game went to Mike Machowsky, of the Renegades, who hit two home runs, while Gordy Irvin, a teammate, had one circuit clout.

The Villains' 31-0 win over Vaughn's was highlighted by a 20-run inning (the fourth). Art Donaldson, the winning pitcher, not only tossed a shutout, but also held the opposing team hitless. Home run hitters for the Villains were Brant Tunget and Sam Chieze (2 each), and Ralph Stalnaker (1).

CHANGE OF PACE

Offering a change of pace from the Villains' rout of Vaughn's, ARCS had a battle on its hands before defeating the Knights 7-6, and the NWC Varsity edged Pizza Villa 11-10.

Things were looking up for the Knights, who scored three runs in the third and moved into a 6-4 lead over ARCS, but the Knights ran out of gas at that point and were held scoreless for the remainder of the 7-inning contest. ARCS tied the game at 6-6 in the top of the sixth and then pushed over the game-winning run in the seventh inning. Long ball hitters for the victors were Rick Featherston and Rich Owens, who pounded out a home run and a triple, respectively.

Two runs in the bottom of the seventh and final inning turned defeat into victory for the NWC Varsity in its game against Pizza Villa. The score had been tied 7-7 after four innings of play, but the NWC Varsity pushed across four runs in the fifth and seventh, and gave up three tallies to Pizza Villa in the sixth inning. Leading hitter for the NWC Varsity was Dan Ward, who had a home run, as did Phil Bowen for Pizza Villa.

In the only other games played last week in the men's open competition of the Slow Pitch Softball League, High Desert Saloon blasted CSC 37-8, and the Renegades outscored the ERA Raiders 22-12.

(Continued on Page 7)

Ridgecrest Recreation

Slow Pitch Softball League

Standings as of June 5:

Team	Won	Lost	Tied
Men's American Div.			
ARCS	6	1	
Stare Montagne	6	1	
Pizza Villa	5	2	
NWC O's	2	4	
CSC	2	5	
ERA Raiders	1	5	
Vaughn's	0	6	
Men's National Div.			
Villains	6	0	
Renegades	4	1	
NWC Varsity	4	2	
Knights	2	3	1
High Desert Saloon	2	4	
Clancey's-Home Center	0	6	
Women's Div.			
CSC	7	1	
Kelly's Earthworks	5	1	1
High Desert Home Center	5	2	
High Desert Imports	4	3	
IWV Dairy	4	3	
Hot Trotters	3	4	
Rosa's Roofing	3	5	
Home Town Realty	2	4	1
Foxtails	1	6	
NWC Gattin Girls	1	7	
Military Div.			
Tigers	3	1	
Rippers	3	2	
Oly's	1	4	



OPPOSING PLAYERS CLOSE IN — Bill Ledden (shirtless), a sixth grader who filled in as a player on the Oldtimers' team, gets into a jam as he tries to move the ball during last Friday afternoon's Adult Soccer League contest between the Oldtimers and Phoenix. Ledden is surrounded by (l.-r.) Dave Tavaras and Bob Cherry, a pair of forwards for Phoenix, and by Gus Hernandez, another Phoenix player who is moving in on Ledden from the blind side. Phoenix won the game by a score of 8-3.

—Photos by Don Cornelius

2 teams tied for 1st place in Adult Soccer League standings

Two teams are locked in a tie for first place in the fledgling NWC Adult Soccer League, following a critical match played last Friday at Kelly Field between the Oldtimers and Phoenix.

The previously undefeated Oldtimers came out on the short end of an 8-3 final score.

In one other scheduled match, the Rousers forfeited to the Rebels 1-0. The Rousers rely heavily on soccer players from Burroughs High, and absenteeism due to activities that engaged students' time during the final week of the school year took too heavy a toll for the Rousers to put a team together for last Friday's game.

In the Oldtimers vs. Phoenix contest, the Oldtimers got off to a fast start on goals by Klaus Schadow and Scott Piri, and seemed headed for another victory.

After two quick scores by the Oldtimers, players for Phoenix began to pick up the cadence and dominated play for the remainder of the game.

Phoenix led 5-3 at halftime on goals by Dave Tavaras, Gus Hernandez, Tony Cervantes and Jesse Clayton, and shut out the Oldtimers during the second half of the game.

Aqua aerobics classes

planned during summer

The Recreation Division has scheduled aqua aerobics classes to be taught by Joan Renner.

The first three-week session is already underway and will continue through June 18.

The second session, June 22 through July 2, will take place on Mondays through Thursdays from 9 to 10 a.m. The following two sessions will be conducted for two week intervals beginning on July 6 and Aug. 3.

Registration takes place prior to each class at the Recreation Coordination Office. Registration will be accepted two weeks in advance; the fee is \$20.

Classes will be held at the Commissioned Officers' Mess swimming pool.



LOTS OF HUSTLE — Despite the heat of the day, Jeff Grossman, a forward for the Oldtimers, displays a lot of hustle during this bit of action in the Oldtimers vs. Phoenix Adult Soccer League tilt. —Photo by Don Cornelius



HELPING HAND EXTENDED — Capt. Paul F. Hollandsworth, Commanding Officer of Air Test and Evaluation Squadron Five (second from left) is highly pleased at the results of the recently concluded VX-5 fund drive staged to raise money for the Navy Relief Society. While the VX-5 skipper looks on, Cheryl Chickey, chairman of Navy Relief Society volunteers, accepts an envelope containing \$3,260 from Lt. Tom Frey and AMS1 Mark Higgins, director and manager, respectively, of the VX-5 fund-raising campaign. —Photo by R. A. Merckx

VX-5 personnel raise \$3,260 in support of Navy Relief Society

A quick, effective campaign for support of the Navy Relief Society was conducted by Air Test and Evaluation Squadron Five (VX-5).

The fund raising effort, coordinated by Lt. Tom Frey and AMS1 Mark Higgins, as director and manager, respectively, was carried out during a two week period that ended on June 1 and brought in a total of \$3,260.

This amount was then presented by Capt. Paul F. Hollandsworth, Commanding Officer of VX-5, to Cheryl Chickey, chairman of Navy Relief Society volunteers at China Lake.

A number of prizes, most made possible

C&M Airlines offer more flights to desert communities

C&M Airlines, which offers regularly-scheduled flights to and from the Inyokern Airport, this week announced that a new flight schedule, now in effect, includes new routes from Los Angeles to Palmdale, Apple Valley, and Barstow.

According to Robert E. Mikesell, president of C&M Airlines, there are no plans to change the non-stop flights from Inyokern to Los Angeles. On the contrary, as a result of the acquisition of two new aircraft, it is possible for C&M to expand its route structure with no reduction in service to Inyokern airport passengers, the airline president said.

Mikesell has assured the Civil Aeronautics Board that C&M Airlines will not reduce its daily service below the present capacity.

The addition of more employees will bring the locally-based C&M Airline's total number of employees to 35. Other additions to the staff are planned next month.

In the future, thanks to a computer reservation service that is available for use and a toll-free number, it will be easier for airline customers to reach the C&M reservation office.

"C&M experienced some difficulty moving into a rapid expansion program after the departure of Golden West Airlines from the Inyokern to Los Angeles route," Mikesell said. "We are grateful for the patience and support of our passengers during that period. Certainly we owe them the finest quality air service it is possible to provide."

Flag Day ceremony to be held Sun. at Ridgecrest Elks Lodge

A Flag Day ceremony, commemorating the 204th anniversary of the adoption of the American flag, will be held on Sunday, starting at 2 p.m., at the Ridgecrest Elks Lodge, 201 E. Church St.

This event is open to the public, and all local veterans' and fraternal groups are invited to participate by sending representatives who will be seated around the lodge meeting room with the banners of their organizations.

NWC Navy Relief Society Fund Drive total hits \$5313

As of Monday, a total of \$5,313.50 has been collected in this year's Navy Relief Society fund drive, the drive's co-chairmen, LCdr. E. J. Lancaster and Lt. John Martin, reported.

A large proportion of this money came from contributions made by the Thrift Shop, operated by the Women's Auxiliary of the Commissioned Officers' Mess; by PRC Ridgecrest Engineering Company; Hughes Aircraft Company; and the High Desert Saloon.

Navy Relief Drive representatives throughout the Center are still contacting personnel in their departments to give each employee a chance to contribute to this worthy organization. Anyone who has not yet been contacted and who would like to contribute may telephone either Lt. Martin (at NWC ext. 3830 or 5838) or LCdr. Lancaster (at NWC ext. 2167).

HOW MONEY IS USED

The money contributed to the Navy Relief Society is used for a variety of purposes to aid Navy and Marine Corps personnel, both active duty and retired, and their dependents or survivors.

Non-interest loans or grants are made by the Navy Relief Society to military personnel or their families who need to go on emergency leave, or who have other financial emergencies.

Help is also available to dependents in times of crisis such as the death of the military family member, as well as for less traumatic occasions. Layettes, for example, are given to eligible infants born to military personnel or their dependents.

Squadron prizes and those who received them were: AR Lynda West, 96 hour liberty; DP5A Kathleen O'Leary, one month duty free; Ens. Kate Spear and AMS3 Robert Strange, 72 hour liberty.



EXCELLENT RECORD MAINTAINED — Since establishment of the Personnel Support Activity Detachment at China Lake two years ago, all members of this unit who have attempted to do so have successfully passed Fleet-wide advancement examinations. Those who did their share most recently in keeping this record intact, and their new ratings, are (l.-r.) PN2 Stephanie J. Lashuk, PN1 Jesus C. Guerra, PN3 Sherri A. May, and PN3 Anthony C. Murph.

The program will include a pageant of American flags that have flown during various times in this nation's history, and the construction of a floral liberty bell by Elks Lodge officers.

Bob Preul, exalted ruler of Ridgecrest Lodge No. 1913, BPOE, will preside over the Flag Day ceremony during which an account of the history of the American flag will be read by Fred Whitnack, Deputy District Grand Exalted Ruler of Elks Lodges.

In addition, Don Davis, a past exalted ruler of the Ridgecrest Elks Lodge, will present a talk on "What the American Flag Means To Me."

The Ridgecrest City Council will be represented at the Flag Day ceremony by Mayor Harold Hockett, who will speak briefly.

One of the traditions of the Elks Lodge Flag Day ceremony is the retirement by burning of old and worn out American flags. Individuals or groups who have soiled or tattered flags are invited to bring them to the Ridgecrest Elks Lodge to be disposed of in the proper manner.

Those who attend this patriotic program will be invited to remain for refreshments that will be prepared for a free buffet at the conclusion of the Flag Day program.

Bluejacket . . .

(Continued from Page 1)

maintenance commitment of the Ground Support Equipment Work Center is met, and has volunteered other time to self-help improvement projects designed to enhance working conditions within the GSE area.

The NWC Bluejacket of the Month for May joined the Navy to learn a trade. He enlisted 2½ years ago in Memphis, Tenn., and was sent to boot camp in San Diego.

TRAINED IN ELECTRICAL WORK

Upon completion of this recruit training, he was sent back across the country for six months of training at the Aviation Support Equipment (Electrical) School at Millington, Tenn., before being assigned to his first permanent duty in the Navy here at the Naval Weapons Center.

ASE3 Houston, who is a graduate of Mount Pleasant Christian Academy in Mount Pleasant, Miss., was accompanied to China Lake by his wife, Margaret Ellen, and their son, James Kevin, who is 18 months old.

When he is not working on the various types of electrical power units that are used to start aircraft engines, ASE3 Houston enjoys deer hunting during the fall and winter season in the High Sierra area north of Bishop.

ELK HUNT PLANNED

After a season trying his luck hunting deer, he is looking forward to an elk hunting trip next November in Oregon. A rifle marksmanship enthusiast, ASE3 Houston recently qualified as a member of the NWC team entered in the Pacific Fleet rifle match at the Naval Air Station, Miramar, in the San Diego area.

Along with his interest in rifle marksmanship he also has become involved in reloading his own rifle ammunition.

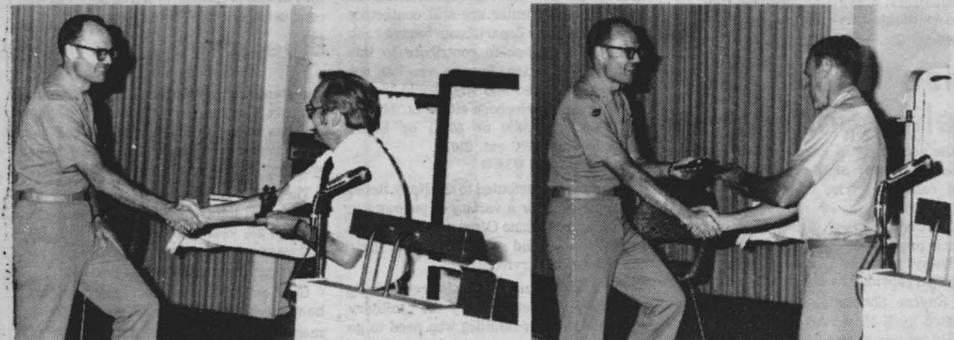
While he is due to be transferred next February, ASE3 Houston and his wife have grown accustomed to the China Lake area, and he hopes to be granted an extended tour of duty here.

The hot dry weather of the desert takes some getting used to, however, and he admits to missing the weather he was accustomed to in his home state of Mississippi. "I like for it to rain at least once a week," he said.

FOR NAVY NEWS

P.A. LINE

X 2345



FAREWELL FETE FOR CAPT. IVES — Friends and co-workers of Capt. Jon Ives, head of the NWC Public Works Department for the past two years, showered him with mementos of his tour of duty here during a farewell luncheon held on June 3 at the Commissioned Officers' Mess. In this camera's-eye view of the party, the honoree is shown (top left) receiving a model of an A-7 aircraft from Leroy Marquardt, acting head of the Aircraft Weapons Integration Department. In the photo at top right, B. W. Hays, Laboratory Director, hands Capt. Ives a Code 03 Directorate plaque. A cartoon likeness of the main players in the "Great Burro Play of 1981" is presented to the guest of honor by Vel Payne, Public Affairs Officer (middle left photo), while Capt.

John Patterson, NWC Vice Commander, had the two-volume "History of NOTS-NWC" wrapped as a present for Capt. Ives (photo at middle right). A metal sculpture, made by Dr. Bill McEwan, was the gift to Capt. Ives from his many friends and co-workers at NWC. It was presented by Bob Hillyer, Technical Director, while Capt. William B. Haff, NWC Commander (lower right photo) made sure that Capt. Ives didn't leave without receiving an NWC plaque. Capt. Ives' wife, Anne, and her mother, Mrs. Elizabeth Dale, were among those in attendance at the farewell luncheon. The departing Public Works Officer's next duty assignment is that of Commanding Officer of the Public Works Center in Yokosuka, Japan. —Photos by Don Cornelius

Police reports . . .

A number of incidents involving bicycle thefts, including the arrest of one young adult suspected of attempted bicycle theft, were reported last week to China Lake police.

A bicycle valued at \$50 that had been reported stolen on Wednesday afternoon of last week, was recovered over the past weekend by police. The missing two-wheeler, found lying in some bushes at the corner of Hornet Street and Burke Road, was returned to its owner.

A second missing bike — this one valued at \$100 and reported missing on May 30 — also was found last week by China Lake police where it had been left leaning against a fence in the 200 block of Halsey Avenue.

In addition, the frame and a tire — all that was left of a \$200 bicycle taken from the parking area at the Bachelor Enlisted Quarters — were found by school district employees atop a building on the Murray Junior High School campus.

At around 8:15 p.m. Sunday, two men made a citizens' arrest of a young man who allegedly was attempting to steal a bicycle from a parking lot on the Center. The suspect was turned over to Kern County deputy sheriffs and booked into the Ridgecrest jail.

Less than an hour later, police were called to the east side of the Center theater to take into custody for safe keeping three bicycles that had been left there by their owners, and were potential targets for bike thieves.

VANDALISM REPORTED

Reports turned in last week at the China Lake police station also included two incidents of vandalism. Sometime between 3 and 11:45 p.m. on Friday, a coil wire was removed from a vehicle left in the park-and-ride lot at the intersection of South Richmond Road and Trona Road — making it impossible to start the car.

Also one evening last week, a residence in the 100 block of Leyte Road was splattered by eggs thrown by unknown individuals.

Work of installing new pumps at NEX gas station underway

The work of installing new pumps was started yesterday and will be continued through next Friday, June 19, at the Navy Exchange service station.

Nothing will be allowed to interfere with the operation of the NEX service station on Monday, which is a military pay day, Lt. Rick Feauto, Navy Exchange officer, stated.

For the remainder of next week, however, the gasoline pumps at the service station will be shut down periodically while the work of installing new equipment is carried out by the Valley Equipment Co. of Bakersfield.

When this job is completed, the newly installed gasoline pumps will be on a computerized system that will enable a single attendant to handle the collection of money for all purchases.

Contract to extend cable TV to Center housing up for bid

Television buffs living in the NWC housing retention area (Capehart B housing and the units north of Halsey Avenue) have a treat in store for them. The Western Division of the Naval Facilities Command has advertised for bids on a contract to supply cable television to the Center's housing area.

CATV service will be available to occupants of family housing and single civilian quarters as well as bachelor enlisted and bachelor officer quarters.

Closing date for bids is June 24, with contract awards scheduled July 23 if acceptable bids are received. Construction should start a few months after the contract is awarded.

Happenings around NWC

Through arrangements made by local Chapter 28 of the Federal Managers' Association, a demonstration by the Burroughs High School Parliamentary Procedure team will be presented on Tuesday, from 11:30 a.m. to 12:30 p.m., at the Enlisted Mess.

The demonstration will consist of a typical parliamentary procedures problem, and will show how Roberts Rules of Order are used to solve it.

The BHS Parliamentary Procedure Team recently won first place in the State of California competition, thereby earning the right to take part in the national finals that will be held from July 1 to 7 in Chicago, Ill.

Next Tuesday's practice before an audience at the Enlisted Mess is another step in the local team's preparation for the national event.

All interested persons interested in attending are asked to call Debby Dyarman at the Enlisted Mess, phone 446-6929, in order that sufficient seating can be arranged and menu selections made.

FUEL-SAVING TIPS OFFERED

Would you like to learn about some driving techniques that may help you to improve your gas mileage?

Come to one of the showings of "Running on Empty" at the Training Center. The film will be shown on successive Fridays: today, June 19 and 26 at 1 and 2 p.m.

This half hour film is recommended by the

Department of Energy for any military or civilian employee who operates a government vehicle.

The film uses a "Fuel Economy Challenge" sponsored by a sports car rally group to demonstrate techniques drivers can use to get better gas mileage. The film not only gives tips on saving gas, but also explains the factors that need to be considered when buying a car.

Any work group may borrow the film for its own showing. Call NWC ext. 2686 to reserve the film.

PLANETARIUM FUND GROWS

With only \$1,000 still needed to attain the fund drive goal, the Dr. Peter Pinto Planetarium fund campaign hit the \$4,000 mark on June 4.

The Desert Area Teachers' Association (DATA) and the Sierra Sands Council of PTAs, along with the help of children of the Indian Wells Valley, have been instrumental in helping to push the "Pinto Memorial Planetarium" fund drive, which began on May 1, to the \$4,000 mark.

Local educators hope to be able to purchase the portable classroom-size planetarium system with funds derived from this campaign this summer.

Tax-deductible contributions to the "Dr. Peter Pinto Memorial Planetarium" fund can be sent to the Desert Area Teachers' Association, 375 Argus St., Ridgecrest, Calif., 93555.



NURSERY SCHOOLERS VISIT FIRE STATION — Fire prevention and safety starts at an early age, as demonstrated by Steve Foster, a firefighter in the Fire Division of the Naval Weapons Center, who is showing a group of children from the nursery day care center how a fire extinguisher is used. The children visited NWC's main fire station recently. —Photo by Don Cornelius

Hearing held on feral burro management problem. . .

(Continued from Page 1) Impact Statement (EIS) will be drafted and there will be a 30-day review period for the final EIS, followed by a public record decision published in the Federal Register, which is expected to take place by the latter part of August 1981.

Additional background on burro-related problems at NWC was provided by Dr. Steven W. Carothers, an ecologist who served as a consultant to the firm of Phillips, Brandt and Reddick that prepared the DPEIS.

"Ten months of study have showed severe environmental damage, a real threat to safety, and extreme damage to the ecosystem of NWC," Dr. Carothers stated. He then reviewed the four viable alternatives arrived at in considering the feral burro problem, and explained why an additional six means of removal of feral burros that were considered during the preliminary stages of the investigation had been rejected.

The non-viable alternatives included fencing at a cost of more than \$1.5 million. This was turned down not only because of the cost but also because fencing around airfield runways would interfere with quick access to aircraft crash sites by emergency vehicles.

Despite any reduction program carried out for the Navy, feral burros are not a threatened species, it was pointed out by Dr. Carothers. The Bureau of Land Management is required by the Wild Horse and Burro Act of 1971 to provide food, water, and habitat for feral horses and burros, and feral burros can be expected from time to time to move from BLM land north of the NWC boundaries south onto Center land whatever the outcome may be of any decision on how to handle the Navy's feral burro management problem.

The public comment portion of the hearing drew spokesmen, including officials and attorneys for animal protection groups, who were highly critical of the DPEIS and strongly opposed to direct reduction (by shooting) of the animals.

These views were in the majority, but there were also those present who voiced their concern for the desert environment and ecology because of havoc wrought around springs and in areas where feral burros gather. In summary, these comments included the following:

Lita Reid, who signed in at the hearing as a representative of the the Daily

Independent newspaper in Ridgecrest, stated that she was encouraged because the Navy is no longer alone in trying to find a solution to a complex problem. Recent history, she added, has shown that the Navy and burros are not compatible. Of the alternatives proposed for handling the



MRS. JOHN FALCONE contended that fencing would be less costly than feral burro reduction by shooting, and emphasized the role played by burros in early day development of the West.

burro management program within the confines of NWC, she added her vote to those who favored Alternative B — complete removal of feral burros by live trapping combined with direct reduction, and put in a plug, as well, for the BLM's "Adopt-a-Burro" program.

Richard Negus, Southwest Director of the Fund for Animals — "The DPEIS is contradictory and inconsistent, filled with glaring errors." He challenged the costs for live capture of feral burros based on his group's experience in the Grand Canyon National Park.

Rosemary Henry, representing the International Society for the Protection of Mustangs and Burros — "Why not fence the place and drive out the burros with helicopters?"

Mrs. John Falcone, of Trona — "I protest the slaughter of burros, all 648 of them," she said, referring to the emergency reduction program carried out earlier this year for the Navy. It was her view that more fencing would be less costly than burro reduction by shooting. "Burros, brown and beans built the West. Let's not forget them," she concluded.

Bruce Jones, Animal Protective Ass'n of America — Not opposed to reasonable management, but does oppose complete elimination. Favored use of electric wire fences. Disagreed with cost per animal for live removal stated in DPEIS. "Slow down, talk to animal groups," he counseled. "We think we can resolve the problem instead of resorting to slaughter."

Arthur Margolin, attorney for an animal protection group — attacked the credibility of the DPEIS on the ground that it offered conclusions without giving information on how the conclusions were reached. It was his view that the "people who wrote the conclusions didn't know what the body of the report contained."

Sharon Bjornstadt, resident of Lone Pine — related personal experiences and told of the enjoyment she gets from her pet burro, Walter. Also favored electric fence around airfield.

Carl Allen, speaking for Wild Horse Sanctuary — Agreed that feral burros must be managed, but disagreed that an emergency condition existed. "I fail to understand why the airfield wasn't fenced long ago," he said.

Carl Allen, chairman of Kern River Wildlife Sanctuary — Total elimination of burros can never be accomplished, since they will enter Navy property from BLM land to north and from Death Valley National Monument on the east. Disagreed strongly with figures cited in DPEIS (\$500 per animal) for capture and removal of burros.

Bruce Spencer, of Lancaster, representing group for Preservation of China Lake Burros — Advocated fencing and live removal of animals, stating that he had nine major businesses ready to finance such a program. Favored alternative B, namely, complete removal by live trapping and direct reduction combined.

Chuck Bell, president of the Desert Protective Council — Supported direct reduction (shooting) and voiced view that DPEIS accurately states the adverse environmental impact of feral burros on the desert. Expressed concern about all desert resources. Having seen the destruction they can cause, would like to have all burros removed from desert land.

Mary Ann Henry, China Lake resident — expressed her support for NWC in effort to save plants and wildlife. "Please get on with the job," she added in reference to

feral burro management by direct reduction. She also read a statement from the California Native Plant Society urging removal of the burros "because they have driven out the desert bighorn sheep."

Elizabeth Goodrich, representing the Southern California Regional Committee of the Sierra Club — added the Sierra Club's support to that of others calling for the complete removal of feral burros by direct reduction.

Graciano Etrata, Navy enlisted man at China Lake — a 15 year veteran of service in the Navy specializing in aircrew survival equipment, Etrata voiced his feelings that if just one pilot's life is saved by total removal of the burros, then his lengthy period of time in the Navy will not have been wasted. "I'm proud to have served under Capt. Haff at NWC, a man who saw a problem and did something about it," Etrata stated.

Pete Canning, the owner of more than 500 acres of land on the east boundaries of NWC — favored complete removal of burros by direct reduction. Complained about damage caused by feral burros during every attempt he has made to grow crops on his property.

Ken DeWitt, a native of Onyx — speaking, he said, on behalf of surviving plants and animals, he deplored what he called "the rape of the desert by burros," and called for their complete elimination. "I'm in sympathy with those who want to save the burros, but they don't understand what burros can do to a desert waterhole," DeWitt said. The Navy should be praised for its action, he added.



MARY ANN HENRY called for preserving native plants and wildlife of the desert by getting rid of the burros.

Patent being sought on improved device . . .

(Continued from Page 1)

commercial instruments were good to around a few percent. So the instrument that we developed was about an order of magnitude better than commercially available instruments. Now we need even higher accuracies, which is the reason for the new instrument."

Today the Naval Weapons Center is the Navy's lead laboratory for optics for high energy lasers, and the absolute reflectometer has been used extensively to measure the reflectance of coatings for mirrors used in these lasers.

The use of mirrors with highly reflective surfaces is critical in high energy lasers. "Energy that is not reflected or scattered from the mirrors is usually absorbed," said Dr. Bennett. "This absorption causes the mirrors to heat up and distort, ruining the optical beam — they can even burn up. So it's very important to minimize the amount of energy absorbed by the mirrors, which means the reflectivity must be kept high."

As advancements were made in mirror coatings, reflectivities improved and Dr. Bennett's double reflection absolute reflectometer could no longer measure these increased reflectivities accurately enough.

The new reflectometer will yield far more

accurate measurements of reflectivity by allowing the beam to reflect up to 16 times on the sample.

Last October, Dr. John Wood, who is working in the Research Department while on sabbatical leave from Utah State University in Logan, Utah, began the detailed design work necessary to make the multiple-pass absolute reflectometer a reality. The optical parts were fabricated in the NWC Optical Shop and the mechanical parts were made in the Engineering Prototype Division of the Engineering Department and at the Aeromsmith Cor-

Merchandise being moved on shelves at Commissary Store

The Commissary Store, located in Bennington Plaza, will be reorganizing the shelving of merchandise in an effort to make shopping easier for its customers.

The reorganization will not effect the Commissary's normal hours of operation. Patrons may have difficulty in locating items, initially, but in the long run better commodity grouping will make shopping easier.

This procedure should be completed by tomorrow at 4 p.m.

poration in Ridgecrest. Construction is now completed on the instrument and assembly and testing are in progress.

"The sorts of absorption levels that we used to see on high energy laser mirrors were a few percent," said Dr. Bennett. "In other words, the reflectivity used to be about 0.98 or 0.99; now we're seeing reflectivities of 0.999. That was the incentive for making a better instrument — of making an instrument where we could measure reflectivities of the order of 0.9999."

The new instrument is a multiple-pass absolute reflectometer. In reflectometers made previously, the number of reflections off the sample were not sufficient to lower the signal to an easily measured level.

The new instrument combined the concept of the absolute reflectometer with a White cell — a device invented in the late 1930s to provide very long path lengths in a gas-filled cell. It was also useful for obtaining multiple reflections on mirrors without losing light.

The multiple-pass absolute reflectometer offers promise of the increased precision needed to measure reflectance values of 0.9995 or better that are essential for the operation of the next generation of mirrors for high power lasers.