#### Maturango Museum will benefit from Gay Nineties Night

Cheering the hero and booing the villain will be in order at a dinner theater presentation of "He Done Her Wrong," to be presented at the Enlisted Mess on Friday and Saturday, Sept. 19 and 20, at 6:30 p.m. A social hour from 6 to 6:30 will precede

The Gay Nineties Night is being put on by the Enlisted Mess and the China Lake Players jointly as a fundraising event for the Maturango Museum. Tickets are priced

Those attending will enjoy a dinner of barbecued ribs as well as the melodrama, plus the dancing of can-can girls, singing, jokes, poetry, and beautiful hostesses to greet guests.

Pat Schwarzbach serves both as mistress of ceremonies for the evening and director of the play, which stars Bob and Kathy Huey, Ralph Schwarzbach, Susan Cragin, and Vonnie Goss.

Tickets may be purchased at the Enlisted Mess, Chief Petty Officers' Club, Maturango Museum, and from members of the China Lake Players.



INNOCENCE BETRAYED - Villain Bob Huey) has heroine Hyacinth Haven (Kathy Huey) in his evil clutches in this scene from the China Lake Players' production of "He Done Her Wrong."

#### Toyland opens Sept. 20

The first touch of fall in the air heralds the opening of the Navy Exchange Toyland on Saturday, Sept. 20, at 10 a.m. Toyland will be open each Tuesday, Thursday and Saturday from 10 a.m. until 5 p.m. between that date and Thanksgiving.

The new Toyland will open in the location of the old Employee Services Board barbershop at Bennington Plaza on Richmond Road. Shoppers are advised to do their holiday toy shopping early for the best selection of toys.

#### Blue Cross van to visit

The Blue Cross Mobile Service Unit will be in the parking lot at the NWC Comunity Center next Friday, Sept. 19.

Anyone who has questions about coverage or claims can meet with a service representative between the hours of 11 a.m. and 3 o'clock. No appointment is necessary.



SPARKLING ENTERTAINMENT — Eighty young people who make up one of the five international casts of the "Up With People" show will be here Sunday to present a two-hour program at the Center theater. Curtain time is 8 p.m. for this all new program of music, songs and dances. The show features dazzling costumes including a special collection of international folk dress and period costumes from the 1920s, '30s, and '40s. There's choreography with a kick, and staging with style. Tickets, priced at \$4.50 for students and senior citizens and \$5.50 for general admission, will be on sale at the Center theater box office prior to Sunday night's

## Preparations for annual Desert Empire Fair nearing final stage

at the fairgrounds in Ridgecrest.

Individuals wishing to enter good examples of their culinary skill, sewing ability, arts and crafts work, or compete for trophies and ribbons in other divisions of the fair, have until next Friday, Sept. 19, to fill out and return completed entry forms to: Competitions, P.O. Box 1176, Ridgecrest. Entry forms also can be delivered in person to the DEF office on the fairgrounds, located on S. Richmond Rd.

Booklets containing information on the Desert Empire Fair premium list can be obtained at various business places in Ridgecrest, as well as at the DEF office.

Also ongoing at the present time is the sale of discount tickets for carnival rides at the midway. The ticket books, priced at \$5 for 17 tickets, offer a savings of 50 percent when compared to the cost of carnival ride tickets that will be sold from booths at the fairgrounds once the fair gets underway at 5 p.m. on Sept. 24.

According to Tony Martin, secretarymanager of the fair, members of local nonprofit clubs and organizations have the opportunity to sell books of discount tickets and, and in return for this service, will receive 10 percent of the cash volume of

Eligible organizations not already in volved in this fund-raising activity can make arrangements to help both themselves and the Desert Empire Fair by contacting Martin at the DEF office by calling 375-8000.

Ticket books may be picked up at the fair office Monday through Friday from 9 a.m. to noon and 1 to 4 p.m.

Carnival rides brought here for the fourth year in a row by Butler Amusements of San Jose, Calif., will be featured on the midway at the Desert Empire Fair, along with a wide variety of booths offering food and refreshments that will be operated by local clubs and organizations.

Space for exhibitors is completely sold out in Joshua Hall, but a few outdoor exhibit spaces are still available.

#### ESB barbershop moves

The Employee Services Board barbershop in the Bennington Plaza area has been moved to a new location next door to the Center Library.

The barbershop, which is managed by Dave Patin, is open Monday through Friday, from 8:30 a.m. to 5 p.m. Walk-in customers are welcome, or appointments can be made by calling 446-9805.

Preparations are nearing their final Activities ranging from whiskerino, stages for the 30th annual Desert Empire western dress, pie eating and watermelon Fair, which is to be held Sept. 24 through 28 eating contests, square dancing, pet contests to a diaper derby are planned each evening that the fair is in progress, and there will be presentations by professional performers at 2:30 and 7:30 p.m. on Saturday and Sunday, Sept. 27 and 28.

Highlight of the local celebration will be a parade up N. China Lake Blvd. on the morning of Sept. 27, and a demolition derby is planned at 8 p.m. on Sunday, Sept. 28, at the rodeo arena on the fairgrounds.

Last week, paving of entry ways to the fairgrounds and walkways inside the gates was completed, and all new lighting has been installed inside the gates, as well as on the 13-acre parking lot at the fairgrounds



Clint Eastwood and Sondra Locke

(Comedy, rated PG, 116 min.)



All members and guests of the Commissioned Officers' Mess, who have their reservations, are invited to attend a Membership Night fete this evening from

6:30 to midnight.

A buffet dinner, featuring baron of beef, will be served starting at 6:30 p.m.; and the musical entertainment will be provided, from 8 o'clock until midnight, by Frederick & Co., a 5-piece rock-music group from the Los Angeles area.

Next Tuesday evening, the COM will offer a two-for-one dinner. This special dinner of chicken a la kiev will cost \$9.50, and will be served from 6 to 9 o'clock.

Effective this month, the dinner hours at the COM will be from 6 to 9 p.m. Tuesday through Thursday, and 6 to 10 p.m. on

For the early diner - from 6 to 7 p.m. the COM will include a glass of wine for one, half carafe for two, and a full carafe for three or four with a full course dinner.

Chief Petty Officers' Club

Members of the Chief Petty Officers' Club who are country music fans are in for a treat this evening when the CPO Club once again will present The Country Associates.

This local 4-piece combo led by Joe Jones will be playing for the listening and dancing pleasure of CPO Club patrons from 9 p.m. until 1:30 a.m.

Dinner will be served tonight from 6 to 9 at the CPO Club. Main entrees on the menu will be prime rib of beef and Iceland cod.

**Enlisted Mess** 

Eclipse, a new rock-music combo, composed of three NWC military personnel - Avon Burrel of the Air Frame Shop, Gene Jones of the AE Shop, and Jerry Garret of the Hot Line - will be appearing at the Enlisted Mess this evening from 9 o'clock

The main entree on the EM menu tonight is surf n' turf. Dinner will be served from 6

#### Hail, farewell party to be held at COM on Thursday night

A hail and farewell party honoring incoming and departing military officers will be held at the Commissioned Officers' Mess next Thursday, Sept. 18.

Following a social hour from 5:30 to 6:30 p.m., presentations will be made to eight officers who will be leaving China Lake

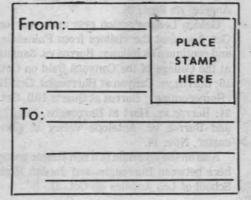
Those to be honored along with their wives are Marine Lt. Col. Ben Adams and his wife, Elaine; LCdr. Gerald A. Pike and his wife, Linda; and Marine Maj. John P. Bland and his wife, Gay.

The other departing officers are Lt. John (Ron) Madden, Lt. Edward C. Kittel, Lt. John C. Messinger, Ens. Richard Moyer, and Ens. Mark Sowell.

Those who will be welcomed aboard the Center are Marine Lt. Col. Scott Smith, Ltjg. David Waller, Lt. P. Darius Frye, Lt. Donald Watkins, and Ens. Spike Jenkins. All Centerites who wish to stay for dinner

are reminded to make reservations by calling the COM (446-2549).

U.S. Government Printing Office:





## AZ3 Taylor is Bluejacket of Month for NWC

Aviation Maintenance Administrationman Third Class Billi A. Taylor has been selected as Naval Weapons Center Bluejacket of the Month for August.

Petty Officer Taylor is assigned to Maintenance Control as the early shift maintenance control representative, where her duties include organizational control, update and verification of aircraft discrepancy books, coordinating scheduled aircraft early launches and validation of the Supply NORS Report.

In the letter nominating her, LCdr. B. L. Dieckman notes that she handles all tasks with the enthusiasm, sound judgement and competence of a more senior petty officer.

The letter continues, "Petty Officer Taylor provides the Aircraft Department an excellent example which is reflected in the positive attitude the division has toward the Command mission. Her enthusiastic attitude coupled with her superb professional skills, make her a model petty officer."

"I was pretty surprised," was AZ3 Taylor's reaction to her selection for the honor, adding that her first response was to telephone her husband, Douglas, an aviation electrician's mate, who is TDY at Whidbey Island, Washington, attending A-6

AZ3 Taylor came to NWC about 21/2 years ago, straight out of boot camp. She sought her present rate, but says that she had trouble striking for it because it was so tight. A number of letters went to the Bureau of Personnel before the request was granted; she is delighted because she thoroughly enjoys the detailed work.

(Continued on Page 3)

### Naval aviator from NAS Lemoore dies in airplane crash

At approximately 4 p.m. Thursday, a Vought A-7 Corsair II single-seat aircraft attached to Attack Squadron 195, based at Lemoore Naval Air Station, Calif., crashed in the northern Coso range area within the boundaries of the Naval Weapons Center, resulting in one fatality. Name of the aviator is being withheld pending notification of the next of kin.

The jet attack aircraft was involved in a routine practice bombing mission at the Coso range; it was using inert practice

An NWC Search and Rescue helicopter piloted by LCdr. Byron Dieckman and another UH-1N helicopter from Air Test and Evaluation Squadron Five piloted by Marine Corps Major Richard Peasley were dispatched to the scene of the crash approximately 30 miles northeast of the main site of China Lake.

The body of the aviator will be removed to the Naval Regional Medical Center Oakland. The accident is under investigation by the Navy.



September 12, 1980

## Semi-custom integrated circuits being developed for use in missile guidance

semi-custom integrated circuits, which is currently underway at the Naval Weapons Center, holds the promise of making possible significant reductions in the size of printed circuit boards used in missile

Not only can semi-custom integrated circuits accommodate current missile systems, but they also are scheduled for use in more sophisticated aircraft systems required by "smart sensors," Henry Blazek, an electronics engineer who is the project coordinator for this effort, stated.

For example, Blazek pointed out, a 4 by 6 in. printed circuit board can be replaced by a 1 in. square semi-custom IC package. This becomes an important consideration for engineers who are working to improve the guidance systems for missile airframes such as the Sidewinder.

Independent Exploratory Development funds provided the initial impetus for the effort to develop semi-custom integrated circuits, which is being carried out by Blazek and Dr. W. P. Webster of the Microelectronics Branch in the NWC Fuze and Sensors Department's Sensor Systems

This work began when it became apparent that existing integrated circuits designed for commercial use weren't suitable for missile guidance work. At the same time it was realized that a true custom-integrated circuit is too expensive for use in development systems.

"A reasonable compromise is what we call semi-custom integrated circuitry,"

This work is started by taking a cell from a standard cell library available at the Sandia Laboratory in Albuquerque, N.M. Each cell represents a special logic function and may consist of a number of digital integrated circuit devices.

TINY CHIP DOES BIG JOB — Bill Welsh, a hybrid-electronics technician, uses a high power optical microscope to examine a semi-custom integrated circuit chip for possible defects before it is installed in missile guidance system. Welsh is seated at a hybrid circuit assembly station in the Solid State Laboratory — location of the Microelectronics Branch in the NWC Fuze and Sensors Department.

digital electronic system is redefined and the design is run through a computer program that lays out the integrated circuit chip. At the same time, a simulation Using such standard cells, the logic of a program is brought into play to verify the electrical functioning of the circuit.

Once the electrical functions called for in the design requirements have been duplicated, the layout is processed and a

## Rocketeer readership survey provides helpful ideas on ways to improve Center newspaper

We asked for it - and we got it.

More than 800 ROCKETEER readers took the time to answer questions in the first readership survey ever conducted.

To all of you who answered, we appreciate your taking the time to let us know how we are doing in meeting your needs and wishes. With this feedback we'll be better able to respond to what you, the reader,

received prompt calls in response. Some asked questions but gave us no way to answer; a phone call to our number, NWC ext. 3354, will give you an answer.

And, if you have strong feelings for or against something that we are doing, please don't wait for another readership survey, but give us a call at any time.

## Readers invited to express own views on matters of widespread interest to NWC

ROCKETEER newspaper readers who have been eager for the chance to express their own points of view on matters of widespread interest to Naval Weapons Center civilian employees and military personnel now have the chance to do just

Space will be made available in future issues of the Center newspaper for a column entitled "It's My Turn" that will provide an outlet for expressions of opinions by individuals who may favor the status quo or have different ideas or

There will be a limit of approximately 750 words placed on the length of such articles expressing ideas that are well thought out and well written. Included in addition to the individual's views will be a photograph of the contributor and a short biographical sketch outlining his or her civilian job or military duty assignment.

The foregoing is in response to desires expressed by those responding to the ROCKETEER's recent readership survey.

Your suggestions and ideas about stories about ROCKETEER policy and procedures and features have been considered and gave us a phone number; those carefully. We plan to implement as many as we can to make the ROCKETEER more fully your newspaper.

Comments ranged from "Don't change anything" to "Worst paper I've ever read." Other messages were equally mixed. For instance, some civilian personnel complained about the amount of military news that we carry - and some military complained that we carry any civilian-oriented material.

The big question for us on the ROCKETEER staff, admittedly, was "How good is the ROCKETEER?" When the responses were fed into the computer for tallying, they were rated from 0 (noredeeming value whatever) to 5 (very good). The tally showed that our average rating was 3.9. The lowest ratings (averaged by grade) came from E-9s and WG-6s at 2.5, followed by O-4s with a 2.7. Interestingly, the next step up and down from these ratings averaged from 3 to 5.

Since the questions about grade level was asked to see if any particular group felt that its needs were not being met, we found it interesting that no especially clear pattern

(Continued on Page 4)

September 12, 1980

Enrollment open

for golf lessons

starting Sept. 22

loan will be available for use.

Nancy Webster, the instructor, will

provide helpful tips and guidance on pitch-

ing, chipping, putting and-driving using

long and short irons. For those who do not

There is a fee of \$20 for civilians and \$15

Mondays, from 9 to 10 a.m., Sept. 22

through Oct. 27; Wednesdays, from 11 a.m.

to 12 noon, Sept. 24 through Oct. 29; and on

Thursdays from 9 to 10 a.m. and from 4:30

Additional information can be obtained by

calling the China Lake golf course (NWC

ext. 2990), or from Mrs. Webster by phoning

375-9805. For those who need them in order

to attend the golf lessons, gate passes will

In conjunction with the college's in-

tramural sports program, the Associated

Students of Cerro Coso Community College

are sponsoring a "Coyote Chase" on

This event, a 2-mile run, will take place at

the college. Registration for the run will be

held between 8 and 8:45 a.m., and the race

There is an entry fee of \$1 each for holders

of Cerro Coso College Associated Student

Body cards and \$2 for the general public.

calling Betty Miller, the colleges' in-

tramural sports coordinator, at 375-5001,

Pinchem, and Bruce Roberts, who played

quarterback on offense and was a defensive

On offense, the Burros will be running

from the "diamond T" formation that was

inaugurated last season, and will stick with

the 4-3 formation (four men down in the line,

Joining Higdon again on the varsity

football coaching staff at Burroughs are

David Bens, offensive line coach; Bob

Roseth, who coaches the offensive backs

and defensive secondary players; and Gene

In addition to tonight's tilt with Barstow,

the BHS varsity gridders have two other

non-league contests before the Golden

League season opener. The Burros will

19, and host Morningside High of Los

Golden League action gets underway on

Oct. 3 against the visitors from Palmdale.

and continues as follows: Burros vs. Saugus

at the College of the Canyons field on Oct.

10; Burros vs. Canyon at Burroughs, Oct. 17

24; Burros vs. Hart at Burroughs, Nov. 7;

and Burros vs. Antelope Valley in Lan-

Also on the schedule is a non-league game

here between Burroughs and Jordan High

School of Los Angeles on Oct. 31.

and three linebackers) on defense.

Vejtasa, defensive coordinator.

1980 VARSITY GRID SLATE

Angeles on Sept. 26.

caster, Nov. 14.

Burros football . . .

(Continued from Page 6)

Additional information can be obtained by

Distance runners

in 'Coyote Chase'

Saturday, Sept. 20.

will begin at 9 o'clock.

awarded ribbons.

Trona High School.

invited to compete

for military personnel for the series of six

lessons that are scheduled as follows:

to 5:30 p.m., Sept. 25 through Oct. 30.

the week of Sept. 22.



PROUD MOMENT - Mrs. Marie Morrison watches as Capt. Roger Muir, Commanding Officer, First Naval Construction Regiment, pins the Navy Achievement Medal on her husband, CM2 Jerry L. Morrison. The ceremony took place recently at Port Hueneme, Calif.

## Seabee Reservist is recipient of Navy Achievement Medal

Superior performance of duties far from his normal career field recently earned Seabee Reservist Construction Mechanic Second Class Jerry L. Morrison a rare distinction - the Navy Achievement Medal.

CM2 Morrison, a long time member of Reserve Navy Mobile Construction Battalion 17, served as that unit's public affairs petty officer from January through December 1979, performing tasks that normally would be assigned to an officer.

The citation accompanying the award notes that he "excelled in accomplishing tasks with innovative ideas utilized to benefit the entire Reserve Naval Construction Force.'

Specially commended was the creation of automated, narrated slide presentations documenting a "D" Company drill weekend, RNCMB 17 unit active duty for training in 1979, and Operation SEABEE. ESPRIT, to be used to inform civilian and military audiences about particular phases of the Seabee Reserve mission.

PERFORMANCE PRAISED

The citation, signed by RAdm. Frederick F. Palmer for the Secretary of the Navy, concludes "His performance reflects great credit upon himself and was in keeping with the highest traditions of the United States Naval Service."

Morrison began working at NWC in June 1966 when he was employed in the heavy duty shop of the Transportation Division of the Public Works Department. He joined the Ready Reserve unit in February 1971 in an advanced pay grade program because of his civilian experience, and has served with that unit ever since.

Most enthusiastic about the Seabees, he

reserve unit it is necessary to have either prior military service or at least a year's experience in the trade for which the individual is rated. He adds that many young Americans sign up for the Seabees as a way of learning a skilled construction trade.

When he was assigned collateral duties in his reserve unit as the public affairs petty officer, Morrison attended Cerro Coso Community College classes to learn how to put together automated slide presentations and to communicate well with photographs.

He says that the techniques that he learned while involved in his public affairs duties were just as helpful to him in his regular NWC job as in his reserve duties when he has been assigned a helper or summer employee.

"Most important," he adds, "my reserve duties have been as much fun as they have been instructive and useful."

#### Plan now for using excess annual leave

Just a reminder — it's time to start scheduling any "use or lose" annual leave to avoid possible forfeiture at the end of the year. Generally, employees can carry a maximum of 240 hours of annual leave into

It's necessary however, that employees schedule this type of leave in writing before the beginning of the third pay period, prior to the end of the leave year to be considered for restoration if it cannot be used.

Scheduled leave, in excess of 240 hours, not used because of work requirements, illness, injury, and various other reasons notes that to become a member of the ready may be restored under certain conditions.

## The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake, California Captain W. B. Haff **NWC Commander** R. M. Hillyer **Technical Director** S. G. Payne Public Affairs Officer Don R. Yockey Mickey Strang Associate Editor **Beverly Becksyoort** 

Editorial Assistant

Staff Photographer



**News Stories Photographs** Tuesday, 11:30 a.m The Rocketeer receives American Forces Press Service material. All are official U. S. Navv photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P-35 revised May 1979. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in The Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003.

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## **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 thi olumn will be accepted from current appointable (i.e., career/career conditional and VRA) NWC employee . All others desiring employment at NWC may contact the Employment-Wage & Classification Division Code 092, 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. Advertising positions in the Promotional portunities column does not preclude the use of alternate recruiting sources in filling these positions. The ing 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 tions 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 super visory appraisal if it can be obtained, and any tests, medical examinations, interviews, and suprequirements 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 nonmeri

Mechanical Engineer, DP-830-3; Electrical Engineer, DP-850-3; Electronics Engineer, DP-855-3; Aerospace Engineer, DP-861-3; PAC No. 8006501E, Code 063 — Position is located in the Projects Office of the Test and Evaluation Directorate. Incumbent serves as test engineer having responsibility for identifying and establishing test and evaluation (T&E) programs for assigned developnental weapons systems. The primary effort will be in the Anti-Submarine Warfare/Standoff Weapon (ASW/SOW) System now in concept formulation phase. After planning the test program the incumbent monitors and analyzes the on system's development in order to assure that the T&E plan will result in a true measure of the effectiveness and suitability of the system. The position serves as test conductor on the more complex tests. Analysis, evaluation and reporting of test results is also required. Job Relevant Criteria: Ability to analyze and thoroughly understand the requirements of complex technical programs; knowledge of instrumentation techniques; knowledge of data analysis suade others to follow a course of action; ability to con unicate well both orally and in writing; ability to effectively implement EEO/Affirmative Action Programs.

nt No. 06003, Interdisciplinary Position Mechanical Engineer, DP-830-3; Electrical Engineer, DP-850-3; Electronics Engineer, DP-855-3; Aerospace Engineer, DP-861-3; PAC No. 8006502E, Code 0631 — Position is located in the Air Projects Office of the Test and Evaluation Directorate. Incumbent serves as test engineer having responsibility for identifying and establishing test and evaluation (T&E) programs for assigned developmental weapons systems. After planning the test program ent monitors the weapon system's developed in order to assure that the T&E plan will result in a true measure of the effectiveness and suitability of the system. The position serves as test conductor on the more complex

#### Reassignment opportunities

This column will be used to fill only engineering and scientific positions through reassignment and through promotion to positions with equal promotion potential. For this reason, the Reassignment Opouncements are separate from the Promotion Opportunities column in the Rocketeer. Applications will only be accepted from employees Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these eassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

Announcement No. 31-009, Supervisory General Engineer, DP-801-4, PAC No. 8031521, Code 311 — This position is that of head of the Avionic Facilities Division, Aircraft Weapons Integration Department. The division develops, maintains, and operates Aircraft System Su port Activities (WSSAs) of the Center: A-4/AV-8, A-6, A-7, and F-18. The division analyzes and further defines to nctional requirements provided by the WSSA. It provides the WSSF hardware and software, including user documentation, training and consultation, and it provides personnel to develop, maintain, and operate the WSSF. The division also fosters commonality and standardization of hardware and software methods and approaches to productivity of the engineering staff across the WSSFs. File applications for the above with Tom Gerrard, Code

Announcement No. 38-007, Supervisory Physicist, DP. 1310-4; Supervisory Mathematician, DP-1520-4; or Supervisory Computer Scientist, DP-1550-4; PAC No. 8038508; Code 38701 — This position is that of associate division head, Computer Sciences Division, Research Department. The division is responsible for providing analysis and consultation services on computer programming; design of experiments and numerical analysis to the department and other Center organizations. serves as NWC automatic data processing focal point operates NWC's Central Computing Facility computer; provides advanced mathematical services, including consultation, instruction, programming, mathematical design, and computer-oriented solutions for technical problems. As associate head, the incumbent assists the division head in planning, directing and controlling the work of the division. This includes setting division goals and objectives, establishing work priorities, distributing work assignments, continuing development of the com-puter facility, and selecting and developing division personnel. The incumbent had lead responsibility to monitor progress and negotiate technical matters of the computer contract. The incumbent advises all levels of Center management on matters relating to the division. The inresents the division at conferences both on and off the Center. These types of knowledges, skills, and ability would be useful with hardware/software aspects of a large scale computer facility; familiarity of Automatic Data Processing Equipment acquisition processes willingness to support the Federal EEO program; ability to perform as a second level and supervisor. The incumbent has the potential to be reassigned to the division head position without further competitive action. If interested, contact Dick Wisdom, phone ext. 3523.

tests. Analysis, evaluation and reporting of test results is also required. Job Relevant Criteria: Ability to analyze and thoroughly understand the requirements of complex inical programs; knowledge of instrumentation techniques; knowledge of data analysis and assessment techniques; ability to motivate and persuade others to follow a course of action; ability to communicate well both orally and in writing. Ability to effectively implement EEO/Affirmative Action Programs.

Announcement No. 0808, Budget Clerk, GS-501-4, PD No.

708044, Code 0832 — This position is located in the Budget ision of the Office of Finance & Management. The mbent will provide fiscal clerical support to the branch or any of the departments it serves. Incumbent assists in preparing overhead budgets and reports; monitors expenses on customer job order numbers; prepares journal entries; assists in processing travel orders and material isition actions. Job Relevant Criteria: Demonstrated ability to meet deadlines under pressure; ability to work rapidly and accurately; ability to work with figures; and wledge of accounting or budget clerical procedures. Promotion potential to GS-5.
Announcement No. 24013, Security Assistant, GS-080-4/5,

PD No. 7684011N, Code 2433 - Incumbent will be the tant to the Classification Manager of the Safety and Security Department. Will support technical personnel by pordination and preparation of classification guidance for contractors. Will be responsible for obtaining facility clearances, coordinating approval for release of paperwork for counsultants to NWC. Will function as the CCP for Code 24 and will train and technically direct the work of any clerical personnel assigned to the office. Job Relevant Criteria: Knowledge of DoD and industrial security regulations; ability to express self in writing owledge of classification guides; knowledge of regulations and policies regarding handling of classified material and disclosure releases; ability to relate classification guidance to NWC projects.

cement No. 33-003, Administrative Assistant, GS-341-5/7, PD No. 8033080N, Code 331 - This position is located in the Sensor Systems Division, Fuze and Sensors Department. This position is the Administrative Assistan to the head, Sensor Systems Division. This is an entry level position and the incumbent will over time assume indivision operations involving budget planning, control and management; control of personnel actions including position descriptions, records, and the division's training program; plant account custodian responsib preparation of administrative and management reports and associated correspondence; and preparation of cortract requisitions and Data Review Board documentation Job Relevant Criteria: Knowledge of NWC administrative practices and procedures; knowledge of accounting principles; ability to analyze financial data; ability to consolidate material from various sources into a cohesive report; ability to plan and organize work; communication skills - both oral and written; ability to work well with a wide variety of people. Promotion potential to GS-11 (Continued on Page 7)



PROTESTANT

Sunday School—All Ages Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant Communion Service first Sunday of the Month

ECUMENICAL Wednesday Noon Bible Study Thursday Men's Prayer Breakfast

0630 ROMAN CATHOLIC

1115 to 1130

MASS. Nursery, Chapel Annex 1 Daily except Saturday, 1135, Blessed Sacrament

CONFESSIONS

RELIGIOUS EDUCATION CLASSES Sunday Pre-school thru 11th grade 1000 Above classes are held in the Chapel Annexes across from the former Center Restaurant. Sunday afternoon 12th grade As announced "In Home" Discussion Groups

and 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)

## Navy EM cited for Sidewinder program work

An unusual ceremony took place last week at the Naval Air Facility when the Engineering Department recognized the assistance given the Sidewinder program Enrollment is now being taken at the by 27 Navy personnel with Special Act China Lake golf course clubhouse for a six- Awards consisting of a certificate and a week series of golf lessons that will begin

Presentations were made by Ernie Cozzens, associate department head. He also gave each Navy man a Sidewinder patch as a particular thank you from the Missile Support and Test Branch in the have their own golf clubs, equipment for Systems Engineering Division.

> The Navy personnel involved had been trained and certified in the inspection and assembly of missile components such as the guidance-control section, fuze, warhead, rocket motor, wings, fins and telemetering units. They are also certified in the uploading and down-loading of all-up round Sidewinder missiles on all Sidewindercapable aircraft of the U.S. Navy, U.S. Air Force, and Marine Corps.

> In addition, they participated in the electronic checkout of aircraft prior to loading of Sidewinder missiles, performed the task of up-loading and down-loading captive-carry and live-firing Sidewinder missiles to meet all changes to mission profiles and ensure a safe working environment for the personnel engaged in hot line operation.

> The Navy men were called upon to help with Sidewinder because of the unusually heavy work load projected for the period January through August 1980. During this time the Naval Weapons Center was requested to participate with the Air Force, Navy, and Marine Corps in the F-16 Multinational Operational Test and Evaluation, Initial Operational Test and Evaluation of the AIM-9M flight evaluations, and the AIM-9L Government Lot Acceptance Testing.

Runners will be placed in various They cheerfully performed these tasks in categories based on their age and sex. The addition to their regular duties. At times winners of each category will receive a Navy enlisted men put in as much as six to specially designed T-shirt, and those seven hours a day of overtime, working finishing in 2nd through 5th place will be from as early as 4 a.m. until 8 in the

> Ed Donohue, head of the Missile Support and Test Branch, says, "without their help

Planning Seminar Oct. 2-Nov. 19 required for the seven-week seminar is 16

System, Social Security and Medicare, legal

matters, health maintenance, and a special

World of Retirement - from a Retiree's

Perspective" will be presented by a former

Employees who are interested in at-

tending this seminar should submit a

training request and authorization form via

appropriate department channels in time

seminar will be limited to 50 employees.

Further information can be obtained by

NWC employee, now retired.

Pre-retirement Planning Seminar that will begin on Wednesday, Oct. 8, and continue through Nov. 19. Most of the segments (except the one on

secondary man on last year's sophomore New this year to the BHS varsity squad is Mike Cubit, a senior split end who earned all-day workshop. The total amount of time his letter last season while playing for

Registration is now being taken at Recreation Coordination Office for women's agua aerobics classes that will begin Monday at the Center's indoor swimming

The instructor is Joan Renner, and there is a registration fee of \$16 per person. Additional information can be obtained by travel to North High in Bakersfield on Sept. calling NWC ext. 2010.

JOIN MATURANGO MILERS

Fleet-footed youngsters who are interested in running in either regular track meets or in cross country races have the opportunity to join the Maturango Milers for the new season.

Signups will be held on Friday, Sept. 19, at (Homecoming); Burros at Quartz Hill, Oct. 5:30 p.m. at the Burroughs High School athletic field. At least one parent must be present for the registration, and a registration fee of \$5 is charged.



(consisting of a certificate and a check) from Ernie Cozzens, associate head of the Engineering Department, are (I. to r.) AOC Tom H. Carrell, AOC Robert J. Murray, and ADC Edward W. Kirkley. Others who were presented awards for their dedicated efforts in assisting the Sidewinder Program were 24 additional Navy personnel - Photo by Ron Allen

we would not have been able to so successfully meet all the requirements. We're pleased to be able to express our appreciation with the Special Act Awards."

Those who received the awards were AOAA Comezell V. Gibbs, AO3 Daniel W. Ward, AO3 Thomas M. Wilson, AO3 Bert W. Sandorus, AO3 Walter E. Kitchings, AO2 Paul A. Totis, AO2 Martin F. Kane, AO1 Lawrence W. Wagner, AO1 Michael G. Langewin, AO1 Edgar F. Duvall, and AOC

# Register now for Pre-retirement

Enrollments are now being accepted for a The seminar is intended for Naval

Weapons Center civilian employees who are planning to retire within the next five years. 'Planning for a Successful Retirement") Spouses of enrollees are also invited to will be 11/2 to 2 hours in duration and will be held once a week. The "Planning for a The course is designed to provide a wide range of information on such subjects as tax Successful Retirement" segment will be an regulations, the Civil Service Retirement

## Rec. Roundup . . .

(Continued from Page 6)

Two of the classes will be held on Mondays and Wednesdays, (Sept. 15 through Oct. 8) from 9 to 10 a.m. and from 3:45 to 4:45. The third class is scheduled on Tuesdays and Thursdays, from 1 to 2 p.m., starting Sept. 16 and continuing until Oct. 9.

on the training request. calling Nancy Cleland at NWC ext. 2018 or

Anyone seeking more information should contact Adrienne Swinford by calling 375-

Robert J. Murray.

Others were AOAN Michael B. Gibson AOAN Dirk J. Krimmel, AO3 Douglas M. Carpenter, AO3 Derek E. Graves, AO3 Leslie A. Harry, AO3 Joseph W. Johnson, AO3 Christopher P. Martin, AO3 Stuart J. Wilcox, AO2 Mark S. Constable, AO2 Ernest E. Wear, AO1 Auomanu Liupaogo, AO1 Willie C. Moffett, AO1 Charles W. Thomas, AO1 Robert M. West, AOC Tom H. Carrell, and ADC Edward W. Kirtley

## Training classes



classes students should submit NWC Training Request and Authorization Form 12410 73, via department channels, to reach Code 094 before the deadline listed. If hanfirst floor room location on training request.

42700A-Financial Management; Sept. 29 through Oct. 28, 9:30 to 11:30 a.m., Mondays and Wednesdays, Instructors: Code 08 staff, Deadline: Sept. 17.

workshop designed around enrollee par-1500AG-Conflict Management; Oct. 1-2, ticipation in planning for various aspects of 8:30 a.m. to 3:30 p.m., Instructor: Lawrence N. Solomon, Humetrics In addition, one of the sessions "The Real

53500D-Assertion Training; Orientation session Oct. 6, 3:30 to 6 p.m., Workshop, Oct. 8-10, 7:45 a.m. to 4:30 p.m., Instructors: Code 094 assertion trainers.

53900M-Technical Report Writing: Oct. 8-10, 8 a.m. to 3:30 p.m., Instructor: Charles Van Hagan, consultant in Technical Communication.

for it to reach Code 094 by Oct. 1. The 53700A-Reading for Speed; Oct. 7 through Nov. 18, 2 to 4 p.m., Tuesdays and Thurs-Those interested in attending are asked to days, Instructed by: Sierra Sands Adult indicate the approximate date of retirement

> 63000C-English Review; Oct. 7 through Dec. 4, 9:30 to 11:30 a.m., Tuesdays and Thursdays, Instructed by: Sierra Sands

## Promotional Opportunities

specting all material received from commercial suppliers of the trade. File SF-171 and supplemental wage grade functions. Incumbent plans, organizes, and directs in- Oct. 3, 1980. Forms may be obtained in the Personnel Bldg. spection of all material received; expedites all inbound Rm. 100.

freight through U.S. Customs. Interprets regulations an rience statement is required; it can be picked up from instructions as required. Reviews work of subordinates in Announcement No. 25-013, General Equipment Inspector vendors, carriers and NWC employees. Investigates Foreman, WS-6901-6, PD No. 8025044, Code 25922 — This discrepancies identified in inspection reports as required. position is located in the Receiving Branch, Material Job Relevant Criteria: Ability to supervise; technical Division, Supply Department. Incumbent serves as head, practices; ability to interpret instructions, specifications, Inspection Section. The section is responsible for in- etc.; knowledge of materials; knowledge of pertinent tool and operating the Imprest Fund and Claims Investigation supervisory sheet with Code 092 to be received no later than

Laboratory.



Recreation Roundup

#### Signups now being taken for series of tennis classes

Registration is now being taken for a six week series of tennis classes for beginners, intermediate, and advanced level players.

The classes, which are to be held at the China Lake tennis courts, will be taught by Fred Hagist. The instruction will begin on Tuesday and will be held on Tuesdays, Wednesdays and Thursdays between 10 and 11 a.m. and from 5 to 6 p.m.

Basics such as body rotation and proper footwork for effective forehand and backhand strokes will be taught, along with volley and service strokes.

Students may sign up for 6, 12 or 18 lessons for which there is a fee of \$9, \$17 or \$25, respectively

Registration is being handled at the Recreation Coordination Office located next door to the Center gym. Additional information can be obtained by calling Hagist at 375-9243.

#### SWIM CLASSES OFFERED

Plans to conduct separate swimming classes at the indoor pool for children and adults were announced this week by the Recreational Services Department's Recreation Branch.

A screening session for youngsters 4 to 12 years of age who register to attend a swimming class for children will be held tomorrow from 10 to 11 a.m. Instruction, which will be offered at the same time and place for eight weeks, will begin on Saturday, Sept. 20.

There is a \$12 fee for eight lessons that will be taught by Adrienne Swinford.

Registration also is being taken for a swimming class for adults (taught by Mrs. Swinford) that will be held on Saturdays from 11:45 to 12:15 p.m. beginning on Sept. 20. The cost is \$12 for eight lessons.

Signups for both swimming classes are being taken at the Recreation Coordination Office located next door to the Center gym. For additional information call NWC ext. (Continued on Page 7)

#### Action resumed Mon. night by bowlers in Premier League

Following a summer vacation layoff, action was resumed Monday night by the Premier League bowlers at Hall Memorial

Three teams shut out their opponents by winning all three games. Victims of 3-game sweeps posted by The Place, Buggy Bath, and the Elks Lodge keglers were Mother's Buggies, the Raytheon Sidewinders, and Clancey's Claim Co., respectively.

High team game and high team series honors were garnered by bowlers representing The Place, who rolled a 1,031 game and 2,967 series.

John Therning and Ernie Lanterman started off the new season by rolling a pair of triple 200 series. Therning's high series score of 658 was built on single game totals of 243, 213, and 202 scratch.

Lanterman had single game scores of 214. 215, and 221 for a 650 series. Others who topped the 600 series mark, and their scores, were George Wilmot (630), Jim Dillon (629), Eddie Davis (627), Ed Ranck (621), Dick Reymore (609), and Will Levy

Premier League bowlers who posted single game scores of more than 220 were Wilmot (255), Ranck (245), Don Porter (244), Mark LaFon (238), Dillon (237), Eddie Davis (232), and Reymore and Aaron



CONCENTRATING ON BALL - Closely guarded by Russ Birkhead (at left) a mid fielder for the China Lake Soccer Club, an opposing player from the George Air Force Base soccer team tries to control the ball during last Saturday afternoon's matchup at Davidove Field. Hustling over to assist Birkhead on defense is Victor Velarde (at right), another player on the local team. The China Lakers won the game by scoring 2 goals to 1 for George AFB in a "shootout" that followed the end of the 90-min. regulation playing time. - Photos by Ron Allen

## China Lakers edge George AFB team in hard-fought soccer game

In hard-fought, exciting game, the China local soccer team. Lake Soccer Club edged an opposing team from George Air Force Base last Saturday afternoon at Davidove Field.

The score was tied at 1-1 at the conclusion of regulation playing time, as well as at the end of a 10-min. overtime period. This made it necessary to proceed with a "shootout" during which each team chose five players who were given unobstructed shots at the opposing goalie from a spot just 12 yards

During the "shootout," the two teams alternated taking shots at the opposing goalie. Karl Kauffman, player-coach for the China Lakers, starting things off by getting off a weak boot that went directly into the hands of the George AFB team's goal

Larry Fuller, player-coach for the airmen, then gave his team a 1-0 advantage by getting the ball past Tom Veatch, China Lake goalie, and into the left side of the net.

Goalie Veatch left his feet to dive and bat down the ball as he stopped the next two scoring attempts by George AFB players, while Larry Trovinger skipped a bullet shot under the airmen's goalie to tie the score at 1-1 during the "shootout."

Victor Velarde then hammered in a shot that gave the China Lakers a 2-1 lead in the "shootout" and resulted in victory for the



SOCCER ACTION — Dave Tavares (at right), a newcomer on the China Lake Soccer Club, gave a good account of himself during the game played Sunday against the George Air Force Base team. Tavares, a halfback, helped set up the offense, and also assisted on

The fourth airman to attempt to score during the "shootout" pounded a shot into the stomach of goalkeeper Veatch, and the visitors' final effort to knot the count in the "shootout" resulted in a kick that jus missed the right goalpost.

Two other scoring attempts by China Lake soccer players during the "shootout" also went awry.

#### DEFENSIVE BATTLE

During regulation playing time, the two teams battled to a scoreless tie for most of the first half. A brief defensive lapse on the part of the China Lakers, however, allowed Mike Kwerk, of the George AFB team, to unleash a 19-yd. shot that went over the head of the China Lake goalie and just under the crossbar to give the visitors a 1-0 lead just before the half ended.

Prior to that point in the game, the defensive unit for China Lake had proved to be nearly impossible to beat inside its own

Approximately midway through the second half of the 90-min. contest, Veatch took a pass from Trovinger and tallied a goal for the China Lake Soccer Club that tied the score at 1-1.

The China Lakers, who had a 20-man squad including several newcomers ready to play against George AFB, were able to substitute freely and clearly dominated the contest in the 10-min, overtime period that followed the game's regulation playing

## MDISL golf tourney set this weekend at China Lake course

The China Lake golf course will be the setting this weekend for the annual Mojave Desert Inter-Service League (MDISL)

Six-man teams will be vving in the open division, and rules permit teams of four members each in the senior division for players 40 years of age and over.

Golfers who will compete for NWC are (in the open division) Mary Rush, Mike Stevens and George McChesney (civilians), and Steve Mills, Rick McAllister and Bob Johnson, military personnel.

Vying in the opening division will be Jim Kincheloe and Bill Wright (military personnel), and Luke Thomas and Al Mc-Donald (civilians).

Starting times for this 36-hole event (18 holes on Saturday and the final 18 on Sunday) will be 7:30 a.m. each day.

In addition to the host team representing the Naval Weapons Center, there will be golfers here from the Marine Corps Supply Center at Barstow, from the Los Angeles Air Force Station, and also from Edwards, George, March, Nellis and Norton Air Force

At stake in the tourney will be team trophy and medals for members of the winning team. There also will be first and second place medals for the winner and runner-up in both the open and senior

#### Deadline for Haugen **Memorial Tennis** Tournament is Mon.

The deadline for applications to play in the Gary Haugen Memorial Tennis Tournament is Monday, Sept. 15, although the tournament itself will not be played until Saturday and Sunday, Oct. 4 and 5.

Last year nearly 200 players entered the tourney which honors the memory of a young local tennis player. The proceeds from the \$8 per event entry fee are used to provide scholarships for Burroughs High

Events are men's and women's singles and doubles as well as mixed doubles. All events will have A, B, and C skill levels so that players at all levels of ability will have a chance to compete.

Players may register for any two events, with a separate \$8 charge for each. Application blanks may be obtained at the NWC gymnasium office and at Sports Etc. in Ridgecrest, and must be turned in at the

Anyone interested in additional information should contact the tournament directors Ken Grant, 375-9634, or Bob Forrester, 375-5847.

## Burroughs to host Barstow in grid season openers tonight

rebuilding and trying to develop the John Wilson, a pair of split ends, and Gary necessary depth at a number of positions on both offense and defense, the Burroughs High School varsity football team will host the Barstow Aztecs tonight on the BHS athletic field.

A sophomore game at 4:30 p.m. will precede the varsity clash at 7:30 o'clock. "Quickness will have to be the team's salvation this year," John Higdon, head coach of the Burros varsity gridders stated, as he noted that the Burros varsity squad, man for man, is about as small in size as it has been in a long time.

Higdon and his co-coaches can field a quartet of returning lettermen in the offensive backfield. The Burros will be led by Billy Brown at quarterback. Brown will be .. handing off, pitching out or passing the ball to Albert Pinchem, left half; Billy C. Richardson, right half, and Jeff Drake, fullback.
Targets on the line for Brown's aerial

Starting out a season that will be one of deliveries will be Curtis Edmonson and Thatcher, tight end.

The offensive line also will include returning veteran Kevin Merrill at the strong side tackle post, while Dan Keen, a rugged transfer from the state of Washington, is expected to start at the quick side tackle spot.

Lined up at the guard position on offense will be David Pipkin and Ron Halsey, both seniors, while Jon Wheeler, a senior letterman, will be the center and also handle place kicking chores for the Burros.

The four down linemen on defense will be Merrill and Brian Manley, a junior who has nailed down a starting position, at the two end spots, and Ralph Aguon and Pinchem, who will fill in at the inside line positions on

Players from the 1979 BHS sophomore team who have looked well in practice are Dennis Weber, substitute left half behind (Continued on Page 7)



GROUNDBREAKING CEREMONY HELD — Wheels are set in motion for construction of the Harpoon Missile Guidance Simulation Engineering Test Laboratory. A distinguished visitor here for this occasion was Capt. David Parrish (at right), Deputy Director of Navy Laboratories. Others in photo are (from left) Gary Kastor, head of the Engineering Department's Missile Guidance Branch; Bob Hillyer, NWC Technical Director; and Capt. Jon Ives, head of the Public

## Hispanic Heritage Week events include workshops, luncheon

by the celebration of National Hispanic Heritage Week.

September 12, 1980

In the proclamation of the week made by President Jimmy Carter, he noted that Hispanic settlers came to what is now the United States more than 150 years before the Declaration of Independence, and that they are still coming here seeking freedom and happiness.

The President also pointed out that these settlers have added major accomplishments to the national heritage in a broad variety of fields.

The Naval Weapons Center and community salute to National Hispanic Heritage Week will begin tonight with a dance in Joshua Hall at the fairgrounds in Ridgecrest. The dance, open to anyone in the community, is sponsored by Los Amigos Hispanos of Ridgecrest. Featured will be Los Feliz, a band from Bakersfield. Admission is \$5 per person.

The Center's recognition of the contribution of Americans of Hispanic Heritage contributions that they have made. begins Monday with a training class on "Culture Awareness" to be conducted by Dr. Alicia Ortiz, a professor at the University of Texas. This workshop and the other workshops during the week are open to all Center employees without preregistration. Those attending will receive EEO training credit.

Dr. Ortiz' workshop will start at 9 a.m. in the Community Center. She will also be the featured speaker at a Maturango Museumcatered lunch to be held that same day. A capacity crowd has already made reservations and purchased luncheon tickets.

Conducting workshops on Tuesday and Wednesday mornings from 9 to 11:30 in the Community Center will be Hermillo Gloria, Deputy District Director, Equal Employment Opportunity Commission, San Francisco.

The workshop Tuesday will be on the "Affirmative Action Plan." Gloria speaks as an expert in EEO. In his many years with the National Aeronautics and Space Administration (and its predecessor agency) he served as Minority Recruiting Program Manager, Deputy EEO Officer, and as



The contributions of Hispanics to the Director of Internal Programs and Afnation's history will be honored next week firmative Action for the Office of Equal Opportunity Programs at NASA headquarters.

From his work at NASA he joined the San Francisco Region of the Civil Service Commission, serving as Regional EEO Representative, before attaining his

Wednesday morning's workshop will deal with "Hispanics in Aviation." Gloria, who holds a B.S. in aeronautical engineering from the University of Notre Dame, and has been a graduate student of organic and physical chemistry at the University of California, both at Berkeley and Los Angeles, as well as at the University of Arizona, spent many years as an engineer and research scientist at NASA and its predecessor agency, the National Advisory Committee for National Aeronautics.

His joint interests in aviation and in persons of Hispanic heritage give Gloria unique qualifications to speak with pride about Hispanics in aviation and the many

#### Laboratories from Washington, D.C., who was joined for a traditional shovel-wielding photo by Bob Hillyer, NWC Technical Director; Capt. Jon Ives, head of the NWC Public Works Department, and Gary

Ground breaking ceremony for

Harpoon missile facility held

The Harpoon laboratory is the culmination of three years of concerted effort on the part of the Naval Weapons Center to provide a hands-on hardware

A ground breaking ceremony held last

week in the area behind the computer wing

in the Michelson Laboratory compound

signalled the start of construction on a

building that will house the Harpoon Missile

Guidance Simulation and Engineering Test

On hand for the ceremony was Capt.

David F. Parrish, Deputy Director of Navy

Kastor, head of the Engineering Depart-

ment's Missile Guidance Branch, the on-

Center group that is now engaged in most of

the Harpoon guidance work that is being

capability here. This project was authorized under the Emergency Minor Military Construction Act, and construction of the modified Butler-type building that will be handled by the Kunert Construction Co. of Loma Linda, Calif., is scheduled for completion in June

The Harpoon Missile Guidance Simulation and Engineering Test Laboratory is expected to be fully operational in January 1983.

This laboratory will contain an anechoic chamber, motion simulator, electronic targets, computer controller, and all other support electronics required for both simulated flight of the Harpoon missile in a variety of scenarios, and engineering evaluation of sub-systems.

The Harpoon missile was developed by the Navy for deployment on a broad spectrum of ships, aircraft, and submarines to provide an all-weather day or night, antiship capability at standoff ranges.

The system is compatible with existing air, surface, and submarine launch platforms and launchers, and employs a lowlevel cruise trajectory, active radar guidance with counter-countermeasures, and terminal maneuvering, to assure maximum weapon effectiveness.

#### Bluejacket . .

(Continued from Page 1) work sufficiently so that they are contemplating reenlisting for another two years when their respective enlistments are up in a little over a year.

A native of Likely, Calif., a town with a population of 200, about 18 miles from Alturas, she joined the Navy to see a little bit more of the world. Her father completely approved of her enlistment because he's ex-

She enjoys the desert and the weather in spite of the strong wind that always seems to blow when she rides her bike back home from Armitage Airfield in midafternoon (her hours being from 6 a.m. until a little

Both she and her husband enjoy playing basketball, and AZ3 Taylor includes collecting old and interesting bottles in her list of hobbies and outside activities.

For being selected as Bluejacket of the Month, AZ3 Taylor will get a 96-hour liberty and no duty status for 30 days. She will also receive an official letter of commendation signed by Capt. W. B. Haff, NWC Commander, and an NWC plaque with her name engraved on it.

Additionally, a reduction in power

requirements by a factor of 10 may be

A computer link between NWC and the

Sandia Laboratory enables preliminary

system logic redefinition of circuits

designed at China Lake to be carried out.

Once the feasibility of the design of a semi-

custom integrated circuit has been deter-

mined, simulation work to confirm correct

circuit operation is handled by the in-

packages, Blazek pointed out.

### Semi-custom integrated circuits . . .

(Continued from Page 1)

semi-custom integrated circuit is fabricated, Blazek explained.

This approach achieves two significant results, Blazek said. It reduces the size of the packaging needed for the semiconductor electronics, and it can result in a substantial reduction in the system's power

For example, the semi-custom integrated circuit that is being designed for the crosshair generator circuit of the charge coupled device (CCD) tracker makes it possible to use a single semi-custom IC circuit to replace 32 integrated circuit

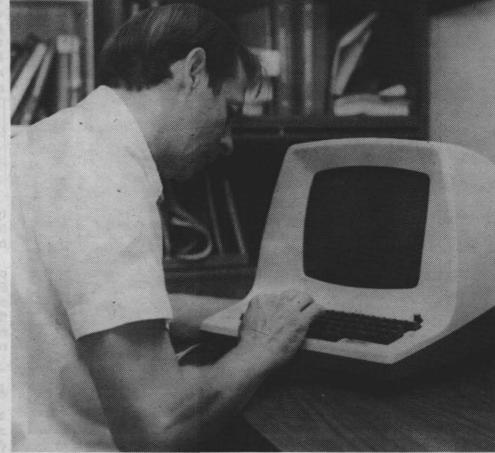
teractive graphics group at Sandia Lab. As progress is made in this interaction with the Sandia Lab, a portion of these computer programs will be transferred to the Computer Sciences Division in the NWC Research Department. This will permit design and simulation work on semi-custom integrated circuits to be done at Sandia, while the Interactive Graphics Facility at NWC (Code 3306) can be used to obtain detailed layouts of circuits. Next, the semi-custom integrated circuit chip is fabricated in the computerautomated facility at Sandia, using a process that is compatible with military requirements for semiconductor electronics. For each semi-custom integrated circuit designed, a minimum of prototype chips can be screened to military standards at the Sandia Lab and then returned to NWC for

After testing, evaluation and validation at NWC, additional circuits can be obtained from qualified industrial sources such as RCA, National Semiconductor, and Harris Semiconductor

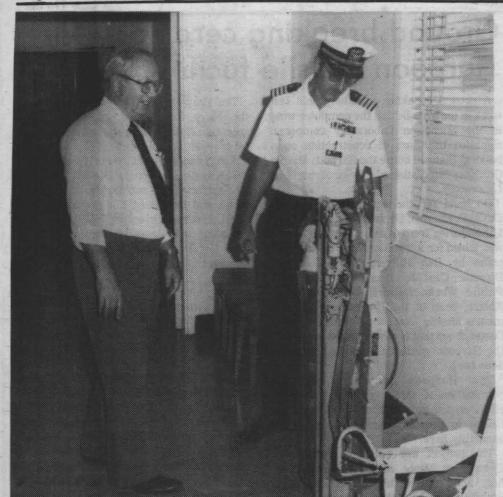
is being developed here.

incorporation into electronic circuitry that

As the digital electronic circuit design of system increases in complexity, the requirements for reducing the size of integrated circuit packages and lowering their power consumption will become more and more important. The use of semicustom integrated circuitry makes possible solutions that are cost effective and (equally important) permits NWC engineers to maintain control of the design.



CONTACT WITH SANDIA LAB — This remote computer terminal, operated by Henry Blazek, is the communication link between NWC and the Sandia Laboratory in Albuquerque, N.M., in work currently underway on the development of semicustom integrated circuits. - Photo by Ron Allen



INSPECTION TOUR - Howard Fish, head of the Parachute Systems Department, discusses ejection seats as Capt. David F. Parrish, Deputy Director of Navy Laboratories, eyes the ejection seat for a T-2J aircraft. Capt. Parrish visited the Naval Weapons Center last week to receive briefings about local programs and

## **Tulare County Navy Leaguers** to visit Center next Thursday

Members of the Tulare County Navy Lauritsen Laboratory. League will be guests of the Naval Weapons Center for a day-long tour that has been scheduled next Thursday, Sept. 18.

The visitors, more than 30 in number, are expected to arrive on the evening of Sept. 17 and will be provided overnight ac- Safe burglary at commodations in the Bachelor Officers'

Following breakfast the next morning at the Enlisted Dining Facility, the day's events will begin in Michelson Laboratory with a welcome and briefing on the mission and facilities of the Naval Weapons Center that will be presented by Capt. William B. Haff, NWC Commander, and Bob Hillyer,

In addition, an overview of the Center's test and evaluation activities will be presented by Bill Hattabaugh, NWC Test and Evaluation Director, along with a film showing some of the varied types of work being done on the Center's ranges.

Leaving Michelson Laboratory, the Navy League visitors will head for Hangar One at Armitage Field for a look at weapons systems test work being carried out on C Range by Air Test and Evaluation Squadron

A break for lunch at the Commissioned Officers' Mess will precede the concluding portions of the day's agenda, which will include a visit to Michelson Laboratory and

Final event on the day's agenda will be a report on desert stewardship by Tilly Barling, head of the NWC Natural Resources Management Office.

## camping issue rm. under investigation

A burglary that took place last week at the Recreational Services Department's Camping Issue Room has been turned over by the China Lake police for investigation by the Navy Investigative Service.

Employees arriving at the Hobby Shop-Camping Issue Room complex on the morning of Sept. 3 discovered that a twodrawer file safe in the Camping Issue Room had been broken open.

According to Harry Reeves, of the Naval Investigative Service, there was no evidence of forcible entry into the building. but some unknown person or persons had tried unsuccessfully to drill open the safe before resorting to peeling off the top and

Anyone having information that could be helpful in solving this burglary is asked to call NWC ext. 2063. Callers are assured that their identity will be kept confidential at all

## Readership survey results summarized

(Continued from Page 1)

Closely related to that question is "How much of what you read in the ROCKETEER can you believe?" Again, for tallying, scores were ranked from 0 (none of it, answered by one person) to 100 (every and so do those who aren't: word). Intermediate ratings were 75 (most); 50 (some); and 25 (not much). Our average was a reassuring 77.4, even though we got the comment "Propaganda mouthpiece, one sided."

Our credibility suffered in some cases where we had covered a particular story in the Spotlight, followed rather closely by from a point of view that the correspondent disagreed with strongly, according to comments added. Well, maybe you had information that we didn't or maybe we just sports events) was also sought. (Several see things from a different angle.

#### INTEREST IN CRIME NEWS

Equally, some of you pointed out that you thought our reporting had a Walt Disneyworld flavor. Many asked for NWC crime and accident reports to appear on a regular basis. ("No juicy details - accidents, deaths and errors do not appear for about 2 months - if ever.")

Asked for also was a "letters to the editor" column in which personnel could get management point of view about what's going on around the Center by asking questions, a sort of replacement for the old "News and Views" publication of former

The question that aroused the most violent feelings was the one about sports coverage. Ratings ranged from 0 (I never read it), to 50 (sometimes), to 100 (always). Of 810 people who answered that question, 297 said "never," 381 said "sometimes," and 132, "always."

With a division like that, what happened on the next question could be predicted. Of

#### Navy exchange slates special sale Monday

A special money-saving opportunity is coming up on Monday at the Navy Exchange, where patrons will be able to purchase assorted giftware at reductions of 20 to 40 percent, compared to regular prices.

In addition, selected lamps will be sold at 40 percent off the regular price, and men's, women's and children's clothing will be on sale at reductions of from one-third to one-

Various other items also will be offered at major savings to NEX shoppers.

759 responses, 391 said there was too much sports coverage and 368 said there wasn't. At some grade levels exactly the same number said there was as that there wasn't; sports enthusiasts cover the spectrum -

Overwhelmingly, civilians wanted the promotional opportunities to be listed in the ROCKETEER rather than some other

Coverage proving most popular was people-related news such as the Employee news of technical developments around the Center. Information about what to do recreationally (movies, social events, people also said that what they liked best about the ROCKETEER was that getting the paper meant that it was Friday. Equally, one individual noted that the thing liked least about the ROCKETEER was that the ink runs when it's wet.)

The questionnaires were mailed to home

addresses because we needed to know if the distribution system for the ROCKETEER was working. Nearly 13 percent of the respondents said that they had difficulty in obtaining a copy; as a result, ROCKETEERs are going to be placed around the Center in various locations as soon as we can get the proper stands to hold

Other changes are also going to be implemented in response to suggestions made. Anyone who is interested in seeing the computer printout is welcome to come to the ROCKETEER office in old Dorm 17 to look it over. Included are the questionnaires that were received within the first three weeks after the readership survey was mailed; the cutoff date listed in the survey had been two weeks, but we figured that an extra week's time would give us useful

We have kept and examined the responses that have come in to the office since, but

additional information.



CHICKEN FEED IT'S NOT — Proceeds from a recent chicken dinner held by American Legion Post 684 in Ridgecrest are turned over by Mel Green (at left), vice commander of the Legion Post, to Frank Cartwright, vice-president of the Maturango Museum board of directors. The money (\$600) has been added to the steadily-growing museum building fund. - Photo by PH2 Tony Garcia

#### breaking through a layer of fire clay ininsulation to get at the contents of the safe. In addition to damage to the safe, there was the loss of approximately \$90 in cash.

#### Injured barn owl found in patio of Center residence

An injured barn owl was given assistance by the China Lake Police Division last

Mrs. Kathy Hamlin found the bird on her patio and called the police for help because she was afraid that the neighboood cats might further hurt the bird that apparently had been downed by flying into a power line or some structure in the area.

Game Warden Carl McCammon was called upon for help; he asked that the bird be transported to his home because it is illegal in California for anyone to be in possession of an owl, dead or alive. Despite the tender loving care that the barn owl received, the bird was too badly injured

Mike Robertson, who is licensed to care for injured animals and birds, notes that there has been an epidemic recently of birds wounded by pellets because California has opened hunting on crows. He states that there are no crows in this area; all the large, black birds in the Indian Wells Valley are either ravens or vultures and are protected.

## **Happenings** around NWC

The Thrift Shop is scheduling an unusual type of dollar day sale on Tuesday, Sept. 23, from 7 to 9 p.m. and on Thursday, Sept. 25, from 9 to 11 a.m.

On those days shoppers will be able to purchase a full bag of items for just a dollar. Each shopper will be given a grocery bag, such as those used by markets, and can fill the bag with items from the shelves and racks in the Thrift Shop for the reduced

New Policy at NEX

The Navy Exchange has announced a new policy on layaways.

Merchandise that costs \$25 or more may be put on layaway for a period of up to three months. A down payment of either 10 percent of the cost of the item or \$5 is required, whichever is the greater amount, and a cancellation charge of \$5 has been added for orders either cancelled or not paid for on time.



DESERT FISH TALLIED - A report on a recent census of the Mojave Chub, was given by Karen Karner (at right), who points to a picture of this threatened species of desert wildlife, while Denise La Berteaux holds a bottle containing Mojave Chub that have been caught in a saline marsh and preserved. Both young women told about their summer work as wildlife biologists during a meeting of the NWC Natural Resources Advisory Council. - Photo by Ron Allen

# Combined Fed'l Campaign chosen

Plans for the Combined Federal Campaign, which will run from Oct. 1 through Oct. 31, are nearing completion with the announcement of the key persons representing each of the Naval Weapons Center's codes and attached activities.

ROCKETEER

This "once for all" campaign permits donors to designate how they wish to divide their gifts, and permits them to make their gifts through payroll deductions. All designations are met; undesignated funds are then divided among the four participating groups according to a formula that gives the United Way of Indian Wells Valley 65 percent; National Health Agencies, 25 percent; International Services Agencies, 5 percent; and, new to this year's CFC, National Service Agencies, 5 percent.

National Service Agencies include three: American Social Health Association, Medic Alert Foundation International, and NAACP Special Contribution Fund.

Also new this year will be the inclusion of two independent agencies that will receive only funds specifically designated to them: The Maturango Museum, and the Women's Center — High Desert.

With a single campaign, costs to both agencies and government are held to a minimum, ensuring that money given to the 49 agencies represented goes directly into agency programs with little overhead.

Jon Ives, NWC Public Works Officer; John

DiPol, head of the NWC Range Depart-

ment; Cdr. Perry Patterson, NWC Staff

Judge Advocate; Bob Barling, NWC real

estate officer; George Nokes, regional

manager of the California Department of

Fish and Game; Ed Smith, DFG wildlife

manager; and Lt. Carl McCammon, local

Searles Lake Post 1950, Veterans of

Foreign Wars, will celebrate its 50th an-

niversary tomorrow night at a dinner-dance

Featured speaker of the evening will be

Capt. Louis P. Aldana, NWC Vice Com-

mander, who will air his views on

The anniversary fete, which is expected

to be attended by some 125 persons will

begin with a dinner that will be served from

6 to 8 p.m. The talk by Capt. Aldana will

follow dinner, and the evening will be

rounded out by dancing and listening to the

Sagebrush band from 9 p.m. to 1 a.m.

Capt. Aldana to speak at

VFW Post anniversary

DFG enforcement officer.

at the VFW Post in Trona.

America's Armed Forces today.

Last year a total of \$125,008.03 was collected during the drive.

# Key persons to spearhead '81

this year's campaign, plans to hold a training meeting for key persons shortly before the beginning of the campaign, at which time they will be briefed about agencies, procedures, and will receive pledge cards, brochures and other campaign materials

Each Friday morning the key persons will turn in the pledge cards and money gathered that week to a representative of the Certified Public Accountant firm of Burkey, Herman & Schemm, who will verify the cards and donations, and keep a running total of the amount pledged through payroll deductions and gathered in cash or

Key persons selected and the Code they represent are, for Codes 00 / 01 / 02 / 08, Cy Ebersberger; 03/03A, Nils Wagenhals; 09, Don Shibley; 12, Len Lesniak; 21, HTC R. F. Landon; 22, Alma Cowan; 24, Art Edmunson; 25, Donna Gonder (with Ted Cripps as alternate); 26, LCdr. Marv Commander; 31, Bill Ball; 32, Judy Read; 33, Nancy Haegaard; and 34, Dick Johnsen

Others are, Code 35, Nadim Totah; 36, Glen Hollar; 38, Dr. Pierre St.-Amand; 39, Linda Murray; 61, LCdr. Byron L. Dieckman: 62, Sue Hucek: 64, Robert Hastings: 93, DT1 Bartolome Cinese; 94, HM2 Rick LoJek; PSD, B.T. Perez; VX-5, AFCM Earl J. Conro; and, 96, Lt. Rick Feauto.

### **Delamping program** nets large savings in kilowatts, dollars

As of the end of August the delamping program whereby work area lights are being brought into conformity with ALNAV instructions has resulted in a saving of 2,333 kilowatts. This does not sound like much until multiplied to the kilowatt hours saved annually - a whopping total of 6,065,000.

Total accumulated monetary saving on the NWC electric bill for the year is \$250,000. If electric rates were to stay the same next year as this year, the 1981 saving on delamping already accomplished will be more than \$390,000. Since electric rates are expected to increase, savings are expected to substantially exceed this

Delamping in all major work areas has been completed. The delamping project is now awaiting the receipt of additional watt-saving lamps and, when the project is resumed, the outlying areas should be completed in approximately four weeks.

## Natural Resources Advisory Council meets

Reports on a variety of subjects - the NWC Commander regarding whether or the council session was attended by Capt. ranging from an investigation of prehistoric not there will be a special hunting program dwellers in the Coso Mountains to current later this year in the NWC range areas. problems with burro control - were Dr. Tom McGill, of the Natural Resources presented last week during the annual Management staff, provided council meeting of the Naval Weapons Center's members with information regarding Natural Resources Advisory Council.

Ringel, Assistant Public Works Officer at NWC, who is the council chairman, and the Canyon National Park in Arizona and in bulk of the reports that were presented were given by Tilly Barling, head of the NWC Natural Resources Management Office, PREHISTORIC FINDINGS STUDIED and four wildlife biologists who have been employed here for the summer.

Mrs. Barling provided an update on the status of the burro management program within the NWC boundaries. Under the interim emergency burro program, the Bureau of Land Management (BLM) has rounded up a total of 176 burros in the vicinity of Armitage Airfield, Baker and Charlie ranges, and SNORT.

Through the BLM adopt-a-burro program, all of these animals have been adopted, the head of the NWC Natural Resources Management Office stated. At the present time, Mrs. Barling added, the consulting firm of Phillips, Brandt, and Reddick, from Irvine, Calif., is finishing up field work on a long range burro management program here.

#### RESEARCH ON BIGHORN SHEEP

In her update on natural resources management, Mrs. Barling also described a two-year research program on desert bighorn sheep that is funded by the Society for the Conservation of Desert Bighorn Sheep. This research work is being headed FLORA, FAUNA CATALOGUED by Jim DeForge, a doctoral candidate at the University of California at Davis, who interference basis.

as the Eagle Crags.

quail that were conducted during late July populations of rabbits. and early August on the Center's ranges and in surrounding areas.

recommendation that is to be made later by Officers Mess. the Natural Resources Advisory Council to In addition to those already mentioned,

lawsuits and injunctions against the The meeting was conducted by Cdr. D. A. National Park Service as a result of efforts undertaken to control burros in the Grand Bandelier National Monument in northern New Mexico.

In addition, Carolyn Shepherd, anthropologist on the Natural Resources Management staff, described an investigation of the characteristics of the environment of prehistoric dwellers in the Coso Range that is being conducted by the University of California at Riverside.

Well received by members of the NWC Natural Resources Advisory Council were presentations made by four summer student employees at the Center.

Dianne Beckingham, a senior at California State University in Fresno, described and displayed examples of her work collecting and preparing plants native to the local area for a herbarium that is to be located in the NWC Natural Resources Management Office.

Karen Karner, who will be starting her junior year at the University of Santa Barbara this fall, told about a recent census of the population of the Mojave Chub, a threatened species of desert fish that was introduced 10 years ago to a refuge on the Naval Weapons Center.

The results of systematic inventories made of flora and fauna at two small saline comes here on weekends and whenever he marshes were outlined by Denise LaBercan get onto the NWC range area on a non- teaux, who will be starting her senior year at UC Santa Barbara this fall. Both Miss The work by DeForge is being carried out Karner and Miss LaBerteaux are local in the Argus, Coso and Slate Ranges, as well residents and graduates of Burroughs High School.

Roy Hines, wildlife manager for Region 4 Beverly Kohfield, who was graduated last of the California Department of Fish and June from Cal-State Fresno, reported on Game, attended the meeting of the NWC her summer task of monitoring the China Natural Resources Advisory Council to Lake golf course in order to assess the report on the brood counts of chukar and recurring problems created by over-

The meeting of the NWC Natural Resources Advisory Council was concluded This report will provide the basis for a by a no-host luncheon at the Commissioned



DESERT PLANTS COLLECTED — Dianne Beckingham (at right) shows Tilly Barling, head of the NWC Natural Resources Management Office, samples of plants native to the local desert area that she has collected and prepared for display in a herbarium that is to be kept in Mrs. Barling's office.