

Charles Kuralt, TV news correspondent, to speak at college

CBS News correspondent Charles Kuralt, widely known for his periodic television journal, "On the Road," will appear here for the next program of the Cerro Coso Community College spring lecture-film series at 7:30 p.m. Saturday, March 6.

Tickets to hear the presentation by Kuralt are on sale at the Gift Mart, the Station Pharmacy at China Lake, and at the college business office. They also will be available at the college lecture center door on the night of the performance. General admission is \$2 and ASB cardholders will be admitted for \$1.

Kuralt's "On the Road" series, which began in October 1967, has attracted wide attention and resulted in such prestigious broadcasting awards as an Emmy from the National Academy of Television Arts and Sciences (1969) and a George Foster Peabody Award (1969).

His reports have some aspect of individuality as their recurrent theme, and as Kuralt puts it, "In an age of plastics and conformity, I am constantly struck by the examples of hearty individualism that remain in this country. Everybody has his own story to tell."

Kuralt will speak for one hour about the people he has talked to and the places he has visited while filming his television series. A half-hour question and answer period will follow.

Buffet luncheons now being offered at COM

Daily luncheon buffets have been reinstated at the Commissioned Officers' Mess by Sue Byrd, the COM's new interim chef.

A different buffet menu is planned for each day of the week, 11:30 a.m. to 1 p.m., Monday through Friday. Persons interested in learning what the day's featured luncheon is can contact the COM by calling 446-2549 or NWC ext. 3105.



OPERA PRESENTATION SCHEDULED — "The Marriage of Figaro," a fully staged and costumed production of Mozart's comic opera, will be presented Tuesday night at the Naval Weapons Center theater, under the sponsorship of the Indian Wells Valley Concert Association.

Comic opera, 'Marriage of Figaro,' to be staged Tues. at NWC theater

Presentation of Mozart's "The Marriage of Figaro," which is to be staged at the Naval Weapons Center theater on Tuesday, starting at 7:30 p.m., has a timely angle during this nation's Bicentennial year, according to officials of the Indian Wells Valley Concert Association, the local group that is sponsoring this performance by the Western Opera Theater.

The political rumblings that provoked both the French and American Revolutions lie just below the surface of this comic opera—a fully staged production that is to be sung here in English.

"The Marriage of Figaro" was conceived in 1775 (a short time prior to the birth of this country) when Beaumarchais began writing the play that Mozart later used for his libretto.

The original play was intended as a political satire and reflects many of the social inequities that made the people of

France willing to overthrow their oppressive monarchy.

"The beauty of Mozart's music, as well as the purposeful dilution of the libretto, make it difficult to detect these stirrings of the French Revolution," it's acknowledged by David Ostwald, stage director of this Western Opera Theater production, "but they're there just the same," he insists.

The Western Opera Theater, a subsidiary of the San Francisco Opera, has logged more than 120,000 miles in carrying out its unique mission of bringing opera to audiences throughout the western United States.

The performers travel with their own especially designed portable stage, lighting equipment and scenery. Performances are fully staged and costumed, with wigs and makeup, and are presented with the assistance of skilled technicians of the San Francisco Opera staff.

Two Piano Accompaniment

Accompaniment for next Tuesday night's presentation of "Marriage of Figaro" will be provided by two pianos. Most of the artists, all experienced young professionals, have performed with the San Francisco Opera, Spring Opera of San Francisco and other major companies.

Single admission tickets for this comic opera can be purchased from 4:30 to 6 p.m. daily (including weekends) at the NWC theater box office, and right up until curtain time at 7:30 on Tuesday. Cost of the reserved seat tickets is \$6 each except for young people under 21 years of age, senior citizens 65 years of age and over, and enlisted military personnel who will be admitted for half price.

Advance seat reservations also may be made by calling the Indian Wells Valley Concert Association (375-5600) at any time. If no one is in, an answering machine will take the name, telephone number and message of the caller.

Concert-goers are reminded to arrive prior to the 7:30 p.m. curtain time for "The Marriage of Figaro," since latecomers will not be seated while the four-act performance is in progress.

Dances set at Chaparral

The four-man "Person to Person" rock band from George Air Force base will perform for the dancing and listening pleasure of Chaparral Club patrons tonight and Saturday from 9 until 1 a.m.

In addition, tonight is steak night. The dining room special will be served from 6 to 9:30 p.m.

SHOWBOAT

MOVIE RATINGS The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children. (G) - ALL AGES ADMITTED General Audiences (PG) - ALL AGES ADMITTED Parental Guidance Suggested (R) - RESTRICTED Under 17 requires accompanying Parent or Adult Guardian CS - Cinemascope STD - Standard Movie Screen Regular starting time—7:30 p.m. Program subject to change without notice—please check marquee.

FRI. 27 FEB. "THE NICKEL RIDE" (99 Min.) Jason Miller, Linda Haynes

(Suspense Drama) Jason Miller runs a section of Los Angeles for racketeers referred to as "The People." He is negotiating a deal for the use of a block of warehouses to be used to accommodate a growing inventory of stolen commodities. His own insecurity about his ability to do the job convinces Miller he is going to be exterminated. (PG) SAT. 28 FEB. "TOM SAWYER" (99 Min.) Johnny Whitaker, Celeste Holm

(Musical) The familiar Mark Twain story is set to music with all the colorful characters that made it a classic. (G) SUN. 29 FEB. "HARD TIMES" (93 Min.) Charles Bronson, James Coburn

(Drama) Drifter Charles Bronson arrives in New Orleans via boxcar and comes upon an illegal prizefight in which hustler James Coburn's fighter loses. Bronson then becomes Coburn's fighter, winning each bout and claiming bigger purses each time. Bareknuckle bouts are the focal point of this hard-hitting story. (PG) MON. 1 MARCH "CALIFORNIA SPLIT" (111 Min.) Elliott Gould, George Segal

(Comedy Drama) A young magazine writer and a professional gambler embark on a series of betting adventures. (R) TUE. 2 MARCH "THE MARRIAGE OF FIGARO" Presented by the Indian Wells Valley Concert Ass'n

WED. 3 MARCH "ESCAPE TO WITCH MOUNTAIN" (98 Min.) Eddie Albert, Ray Milland

(Comedy) Two children orphaned by the loss of their foster parents but gifted with supernatural powers are the focal point of this film. Ray Milland, unscrupulous millionaire posing as a would-be parent, contrives to claim the children as his wards in order to put their powers to his own use by having them advise him on investments. When the children realize their situation, they escape to Witch Mountain where they believe their destiny lies. (G) THURS. 4 MARCH "RAGE" (99 Min.) George C. Scott, Richard Basehart

(Drama) A rancher seeks revenge against the Army when his young son is accidentally killed by poison gas. (PG) FRI. 5 MARCH "THE LAND THAT TIME FORGOT" (90 Min.) Doug McClure, John McEneary

(Science Fiction) The story, set in the year 1916, concerns a handful of survivors, seven men and a girl, from an allied merchant ship torpedoed and sunk in the north Atlantic by a German U-boat. The survivors, huddled in a lifeboat, succeed in capturing the U-boat and its crew. Attacked by a British destroyer, the submarine crash-dives to safety, but is damaged. It drifts southward to a fantastic "lost world" island called Caprona that is inhabited by primeval sub-humans. (PG)

Square dance to be held

An invitation to all interested persons to attend a square dance on Saturday, from 8 to 11 p.m., at the Community Center, has been extended by the Jim Dandies Square Dance Club, sponsors of this event.

Rick Boswell, from Lancaster, will be the guest caller of the evening.

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From: _____ To: _____ PLACE STAMP HERE

Technology transfer work discussed by RAdm. Freeman

A talk during which he not only informed his audience about some of the major ongoing programs that are representative of the scope of the Naval Weapons Center's efforts to develop air-launched weapons and aircraft systems for the Navy, but also discussed several programs and projects that are not weapon system oriented but fall instead into the technology transfer and technology utilization field, was presented last week by Rear Admiral R. G. Freeman III, NWC Commander.

On this occasion, RAdm. Freeman was a member of a panel of speakers participating in the Antelope Valley Board of Trade-sponsored 1976 Business Outlook Conference held in Lancaster.

"The mission of NWC is to support the Fleet, and the Center's objective is to conduct basic and applied research, engineering development, advanced development, and testing of projects assigned by higher authority in a responsive, accountable manner," the Skipper stated during his opening remarks.

The Naval Weapons Center, he stressed, is not in competition with private industry in the acquisition of new weapons and systems for the Navy. "We are partners, each with specific roles," he explained. "Our common goal is to deliver weapons and systems to the Fleet that are reliable, maintainable, and capable of performing as required."

"To be successful in this, we must deliver our products on time and at or below allowed costs," he added.

In this talk, entitled "Highlights of Naval Weapons Center Activities—1976," RAdm. Freeman summarized financial matters, noting that this year's budget will be about \$204 million, the payroll will be close to \$90 million, and the Center will be involved to some degree in contracts with private industry in the amount of another \$150 million.

He then listed major construction projects that are under way including the new medical dispensary and dental clinic, the Bachelor Enlisted Quarters, a new club for petty officers and enlisted men, and the

low energy laser applications laboratory. "With respect to our 'product line' which is research and development, we have more than 200 tasks assigned and expect that level to remain during the coming year. Major programs mentioned were work on the Harpoon anti-ship guided missile, the AIM-9L (latest version of the Sidewinder guided missile), HARM (a high speed anti-radiation missile designed to attack enemy radars), and work on aircraft systems.

With that as a background, RAdm. Freeman then took a few minutes to talk about some of the technology transfer or technology utilization efforts at the Naval Weapons Center made possible by the wide

(Continued on Page 4)

Feb. 27, 1976

INSIDE . . .

- Award-winning Film To Be Shown . . . 2 Engineers Week Banquet Set . . . 3 Engineer To Receive Award . . . 4 Honor Band Festival Slated . . . 5 Sports . . . 6 Opera To Be Presented Tuesday . . . 8



Naval Weapons Center China Lake California Vol. XXXI, No. 8



Martinez picked for Bluejacket of Month honor

Aviation Maintenance Administration-man First Class Virgilio "Bill" Martinez, of Air Test and Evaluation Squadron Five, has been selected as NWC's Bluejacket of the Month for February.

As his squadron's "3 M data analyst" he is responsible for detecting trends in aviation maintenance. Every time maintenance is performed on an aircraft a record is kept of it, and AZI Martinez collects raw data from such records and submits it to the Computer Systems Corp. for processing.

From the computer printouts which he receives back he may be able to determine, for instance, that for every so many hours of flight time a failure can be expected to occur in a particular component of the aircraft.

In addition, AZI Martinez has the collateral duties of VX-5's maintenance training petty officer (which covers the training of personnel in proper maintenance documentation) and maintenance administration supervisor (which concerns the proper routing of messages).

Dedicated Worker AZI Martinez' supervisor, LOdr. Anthony S. Adams, who is the assistant maintenance officer, described February's Bluejacket of the Month as "an outstanding data analyst and a very thorough and dedicated worker."

In a letter of recognition which he received as VX-5's Sailor of the Month for January, he was cited by his Skipper, Capt. R. N. Livingston, for his "meticulous attention to detail" which "resulted in the routine achievement of near zero error in

(Continued on Page 3)

Production phase of QF-86H target drone program completed with delivery of No. 29

Another milestone was marked by a team of Naval Weapons Center civilian and military personnel (aided by contractor employees), who recently delivered to the Naval Air Facility Targets Department the last one of a group of Air Force Sabrejet airframes which they had successfully converted into 29 subsonic target drones (called the QF-86H).

The development of improved air-to-air weapons and weapons systems has made it necessary to provide increasingly more maneuverable targets against which to test these weapons under conditions that come close to simulating actual aerial combat.

Before the development of the QF-86H drone, targets were limited to turns at a maximum stress of 4 Gs. In contrast, while manning a remote control ground station (called the MSQ51), Harlan Reep, the dean of the no-live-operator aircraft trade, can put the QF-86H through rolls and loops, as

well as turns which range between 6 and 7 Gs in stress.

The production phase of the QF-86H began in January 1974 with the awarding of a contract to the Aacom Division of Systron-Donner, Inc. (a Concord, Calif., firm).

The joint effort that has since taken place has resulted in an extremely low cost of \$130,000 per drone, including all engineering and documentation work, according to Jay Bornfleth, project manager for the QF-86H conversion program.

In addition to the aircraft conversion work carried out by Aacom employees, management and engineering of the program came under the cognizance of the Systems Branch (Code 3925) of the NWC Weapons Department's Weapons Development Division, while the Naval Air Facility was responsible for maintenance work, remote control flights and providing safety pilots who manned the drones during

tests which were conducted to insure that each of the drones could be flown successfully by remote control.

Installation and checking of drone flight control system components was handled by Aacom, Inc., and other maintenance contract work was performed by Ling-Tempeco Vought (LTV) personnel. In addition, Sperry Flight Systems provided some drone flight systems components under still another contract.

This two-year program included some remarkable achievements, since some of the F-86H Sabrejets arrived disassembled on trucks, others had not been flown for 12 to 13 years, and even those which had been flown here and stored 4 to 5 years earlier hadn't been off the ground for that long a period of time.

Good Safety Record

Preparing some of these aircraft for their use as target drones was a considerable job, but in spite of this it was accomplished on schedule, Bornfleth said. In addition, the program's safety record was very good since there were no flight accidents.

The first step in the conversion work was to put each of the Sabrejets into flyable condition. Once an aircraft was reassembled, checked out and certified to be flyable, it was moved into Hangar 2 at NAF where the modification work was done.

LTV workmen disassembled the aircraft down to the level that was needed (the engine and tail were taken off and some panels removed). Aacom employees then

(Continued on Page 3)

JAG urges Navy personnel to file state tax returns

The Office of the Judge Advocate General is urging all Navy personnel to file the proper state and local tax returns for 1975. Assistance in determining tax liability is available from all Navy Legal Assistance Offices.

JAGINST 5840.6G discusses the basic income tax laws for all 50 states, the District of Columbia, Guam and Puerto Rico.

The instruction also outlines significant changes made to state tax laws during 1975. Since the Vietnam era was terminated by Presidential proclamation last May, some military combat-zone tax benefits have been eliminated.

Military personnel can check with their home state tax authorities if they have any questions about special tax provisions.



FORMAL OPENING — Rear Admiral R. G. Freeman III, NWC Commander, on Feb. 19 cut the ribbon to mark the official opening of The Pub, the English-style delicatessen at the Commissioned Officers' Mess, with an assist from Roy Moss, COM manager. In the insert below, they stand outside The Pub by its sign. The Pub's entire menu, with the exception of the chef salad and perhaps the soup, is authentically English. It is open daily (except Sunday) for lunch from 11:30 a.m. to 1 p.m. and again from 4:30 p.m. until the COM closes. —Photo by Ron Allen



SPECIAL HISTORICAL DISPLAY - A recent addition to the special displays at the Maturango Museum is an exhibit featuring photos of women in the Navy, including one of Rear Admiral Alene B. Duerk, Director of the Navy Nurses Corps. Other pictures show various types of present-day uniforms worn by Navy women in contrast to those worn from the early 1900s and during both World War I and World War II. Old Navy uniforms that also are a part of the display were loaned to the Naval Weapons Center by Rear Admiral Edwin B. Hooper, Director of the Naval Historical Center in Washington, D.C. Shown looking at this exhibit, which was arranged by Alice Dubin, curator of the museum, is Lt. Col. Caroline Schnoebelen, officer-in-charge of the Outpatient Department at the Dispensary.

Award-winning film slated here next week

A student-made documentary film that won both an Oscar and an American Film Festival Blue Ribbon in 1975 will be shown to NWC audiences three times next week. Entitled "Men's Lives," the film has been brought here by Alice Pastorius, NWC Federal Women's Program Coordinator. "Those of us who have been working in the area of equal rights for women have become more and more convinced that role definition along sexist lines is a prison for men as well as women," Miss Pastorius said. "This film has been highly praised as a sharp, clear, yet warm and compassionate look at men's roles in America today."

Beneficiaries of CHAMPUS advised of recent changes

Recent changes to the Civilian Health and Medical Program, Uniformed Services (CHAMPUS) now make it mandatory for all beneficiaries (dependents, retired, dependents of deceased and including dependents residing apart from spouses) to obtain a Certificate of Non-Availability (DD-1251) for any inpatient care other than emergency admissions if they reside within 40 miles of a Federal medical facility. These certificates are also required now for certain types of outpatient care, such as pastoral, family, child or marital counseling. These services in the past could be obtained under the basic program without a Certificate of Non-Availability. Any person now receiving care from civilian sources which will result in hospitalization (this includes pregnancy care) or receiving counseling as mentioned above must obtain a Certificate of Non-Availability before receiving such care to be eligible to be reimbursed by CHAMPUS.

"Anyone - male or female - is welcome to attend any of our Brown-Bag Seminars," Miss Pastorius stressed. "However, because men have been hesitant to show up for them, we have given them two other opportunities to view a film that should be of interest to anyone concerned with the changing sexual roles of today."

Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 452, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 454 or 457). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, white those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Administrative Assistant, GS-341-7, PD No. 7455029, Code 554 - The position is located in the Engineering Prototype Division, Engineering Department. Incumbent prepares division budget plans and is responsible for tracking all division overhead expenditures. Incumbent is responsible for division personnel matters including position description review and preparation, initiation of personnel actions, etc. Incumbent also gathers information and prepares reports on various aspects of division operations. Job Relevant Criteria: Knowledge of budget procedures and reports, knowledge of personnel procedures and regulations and the ability to communicate clearly both orally and in writing. File applications for the above with Carol Downard, Bldg. 34, Rm. 204, Ph. 2925.

Police Dispatcher, GS-301-3/4, PD No. 7584005, Code 843 - Incumbent performs dispatching duties for the China Lake Police Division and maintains radio communication with NWC Guard Post, Fire Division, NIS, and off-Center police agencies. Incumbent also coordinates and controls radio traffic between police units, responds to requests for assistance by police units and/or notifies appropriate source, and furnishes requested information to the public or refers to appropriate authority. Job Relevant Criteria: Experience handling complaints from the public, excellent typing and the ability to work effectively in stress situations. Some typing ability is required. File applications for the above with Sue Praszolowicz, Bldg. 34, Rm. 208, Ph. 2577.

Chemical Engineer, General Engineer, or Physicist, GS-874, 801 or 1301-11/12, PD No. 7460016, Code 4021 - This position is located in the Chemical Systems Branch, Aircraft Armament Division, Systems Development Department. The incumbent, a senior engineer, is responsible for preliminary planning and definition of alternate routes for achieving specific objectives for each of the branch projects. He will plan, direct and conduct experimentation in chemical processing, aerosol sampling, energy conversion, physical property measurement and microwave measurement. He will perform mass balances, least balances and thermodynamic calculations for chemical projects. Job Relevant Criteria: Must have experience in weaponization of air delivered systems, working knowledge of chemical engineering practices, working knowledge of either aerosol measurement and sampling techniques of physical properties measurement of non-homogeneous materials, microwave measurement techniques, or design and control of magnetic fields. Must be able to communicate problems and objectives to other technical personnel of other disciplines. Previous applicants need not re-apply. Clerk-Typist, GS-322-2/4, PD No. 7195001, Code 912 - (one vacancy). This position is located in the Office of Patent Counsel. Duties include typing material of a legal and technical nature, processing invention disclosures and reviewing for proper signatures and completeness of related attachments. Incumbent maintains patent case files and administrative files and serves as timekeeper for the code. Job Relevant Criteria: Must be accurate typist, neat in appearance and have ability to effectively deal with office visitors. Must demonstrate telephone reception skills. File applications for the above with Charlotte Sietkowski, Bldg. 34, Rm. 204, Ph. 3118.

Clerk (Typing), GS-301-04, Intermittent, PD No. 7512014, Code 12 - This position is located in the Intelligence and Current Capabilities Library of the Weapons Planning Group. The incumbent will be responsible for providing the basic clerical functions associated with this library, including maintaining an index of the existing contents of the library, adding new documents to the index and deleting obsolete or outdated documents; ordering new documents from catalogues, lists or at the request of users or supervisors; making changes or adding updated information to basic documents; assisting library users in locating the documents pertinent to their needs; notifying users when new information pertinent to their projects is acquired; refiling documents. Duties also include operating a teletype computer terminal for searching a microfiche collection of about 600,000 intelligence documents and for filing and retrieving microfiche from the files. Job Relevant Criteria: Must have typing and filing experience, ability to deal compatibly and effectively with people, ability to work independently. Experience in using computer resources is desirable but not mandatory. Supervisory Accounting Technician, GS-535-4/7, PD No. 7117888AM1, Code 982 - This position is located in the Cost Accounting Branch, Office of Finance and Management. Incumbent supervises the processing of encumbrance accruals and costs of major contracts, orders with other government agencies, costs of major contracts and miscellaneous contract type procurements; reconciles subsidiary records to the general ledger control accounts, and prepares journal vouchers for posting to the general ledger. Job Relevant Criteria: Working knowledge of double-entry accounting principles, cost-accounting and accrual accounting, and ability to deal effectively with personnel at various levels of management and to instruct and supervise. Fiscal Accounting Supervisor, GS-301-4/7, PD No. 7469977, Code 884 - This position is deputy disbursing officer in the Disbursing Branch of the Office of Finance and Management. The incumbent manages the daily operations of the disbursing office, insuring that established procedures and controls are followed on procurement, custody and disposition of funds, receipts, payrolls, accounts, and public vouchers. He provides advice on complex disbursing matters. Job Relevant Criteria: A thorough knowledge of regulations, rules, techniques and procedures applicable to the disbursing system is required. Incumbent must have a knowledge of the functions of the various finance centers and be able to supervise personnel and manage work operations. File applications for the above with Dora Childers, Bldg. 34, Rm. 206, Ph. 2474.

Equipment Mechanic, WG-3522-10, JD No. 37-3, Code 70423 - Installs, overhauls, repairs, maintains and "alters as needed" machine shop equipment, power plant equipment, large and fresh water pumping equipment, pressure pneumatic systems and equipment, hydraulic systems and equipment, hydraulic-pneumatic systems and equipment, sewage disposal plant equipment, steam engines, steam cleaners and internal combustion engines, and controls for the above items. Job Relevant Criteria: Ability to install, maintain, overhaul, repair and test-run mechanical equipment, to read and interpret blueprints, sketches, etc., to troubleshoot pertinent equipment, to use hand tools and measuring devices, and to do the work of the position without more than normal supervision. Mail and File Clerk, GS-305-54, PD No. 7470001, Code 7002 - The incumbent reviews all mail directed to the Public Works Department and, depending on subject matter and/or details, routes mail to all levels of management within the department for action and/or information. Incumbent also is responsible for the official files of the department, (instructions, notices, directives and etc.) compiles information for charts and graphs. He will (Continued on Page 7)

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NWC Commander
Dr. G. L. Hollingsworth
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DEADLINES:
Tuesday, 4:30 p.m.
Wednesday, 11:30 a.m.

Don R. Yockey
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James J. Stansell
Associate Editor
Terri Jacks
Editorial Assistant
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Staff Photographer

CONGRATULATIONS EXTENDED - Wesley R. Stewart (at right) recently received a letter of commendation from Capt. F. E. McDonald, NWC Director of Supply, after being singled out as the Supply Department's "Small Purchase Buyer-of-the-Month." This program was established to promote and increase awareness in procurement professionalism, and to recognize the individual who has demonstrated the greatest degree of growth and service during a one-month period. Stewart, who has been an NWC employee since December 1972, is a purchasing agent in Code 2522. -Photo by Ron Allen

Wilt's Corner . . .

(Continued from Page 6)
discussion of officials' costs and length of the season, and assignment of practice times. All coaches should attend. Self-Defense Class
Kevin McKinney, a recent transfer to VX-5 from West Chester, Pa., has agreed to teach a class in the Shiro-Taka method of Chinese kempo karate if there is enough interest expressed in it. He holds the rank of shodan, equivalent to a first degree black belt, and has taught similar classes in Oahu, Hawaii. Interested persons, male or female, should sign up at the gymnasium between 9 a.m. and 2 p.m. Monday through Friday.

Use of Athletic Facilities
Youth Center members are not permitted to use the gymnasium, including basketball floor, weight room and handball court, on Mondays through Fridays from 4:30 to 6 p.m. Only adult Athletic Association members are allowed to use the above facilities during these times. In addition, users of all athletic facilities, including tennis courts, softball fields, gymnasium, Youth Center and Youth Gymnasium must obtain an Athletic Association or Youth Center membership card. Membership cards can be obtained from the gymnasium secretary Monday through Friday from 9 a.m. to 2 p.m., or at the Youth Center Tuesday through Friday from 2:30 to 5 and from 6 to 9 p.m.

Youth basketball . . .

(Continued from Page 6)
Junior Division, on March 6 in the Senior Division, and on March 13 in the High School Division.

Team	Won	Lost
Intermediate Division		
Cougars	11	1
Bruins	11	1
Lakers	6	6
Trojans	5	7
Warriors	2	10
Spartans	1	11
Junior Division		
Rockets	8	3
Hawks	6	5
Stars	6	5
Huskies	2	9
Senior Division		
Bucks	7	2
Knicks	6	3
Sonics	3	6
Blazers	2	7
High School Division		
76ers	7	1
Pistons	6	2
Conquistadors	2	6
Suns	1	7

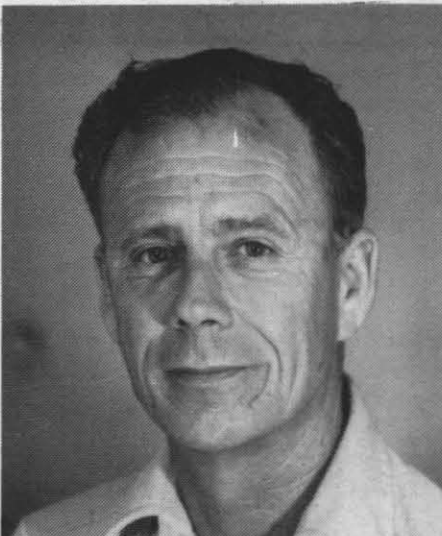
Pony, Colt League baseball signups set

Signups for Pony and Colt League baseball will be held tomorrow and again on Saturday, March 6, at the China Lake Pony League diamond behind the gymnasium from 9 a.m. until noon. To be eligible for Pony League, youngsters must be 13 by Aug. 1. For Colt League they must be 15 by Aug. 1. Seventeen-year-olds also will be signed up in the Colt League. Proof of birth is required of all players and parents must sign a registration card for each youngster entered in a league. Fees are \$15 for one player or \$25 for two or more in the same family. Managers, coaches and a snack bar manager are still needed. Persons interested in helping may contact one of the board members at the Pony League diamond on either of the above dates.

Burros win . . .

(Continued from Page 6)
lead. The third period provided the big turning point in the game, however, as the locals (with Moline and Doremus leading the attack) outscored their opponents, 23-4. Going into the final 8 min. of playing time with a comfortable lead of 61-38, the Burros waltzed to an 83-52 win by tacking on another 22 points in the fourth period of play. Score by quarters:
Burroughs 23 38 61-83
Barstow 14 34 38-55

Employee in the spotlight



Paul Alexander

"It was fate, I guess, that I came here, started working, got married and had five kids."

There was just no other way for Paul Alexander, a one-time automotive machinist, to explain how he wound up in a 25-year career on the NWC test ranges, most recently as a project engineer in the Test and Evaluation Department's Project Engineering Division.

Paul still recalls that day in 1962 when he found himself applying for a job here at the Naval Ordnance Test Station, as it was then known. He had been employed as an automotive machinist at Lackland Air Force Base in San Antonio, Tex., and a friend had talked him into coming to China Lake on leave.

The people in the Personnel Office took his application but told him it would be a couple of weeks before an opening in his field would come up. As he was leaving the office, said Paul, "I was surrounded by a couple of characters - Duane Mack, for one, who was range engineer at C Range - who wanted to put me right to work on that range as a munitions worker, handling ordnance, just until the machinist's job came through."

Took "Temporary Job"
He took the "temporary" job, of course, and stayed at China Lake - and has remained associated with the test ranges here ever since then. "I've got no regrets, I've really enjoyed my life, my career here," Paul reflected.

Paul was not new to this area when he came here from Lackland AFB in 1952. Although he had been born in Hartshorne Okla., by 1944 he was going to high school in nearby Trona, where his stepfather lived. The following year he worked at NOTS during summer vacation as a machinist apprentice for Haddock Engineers, a contractor on the Station.

From 1948-49 Paul served in the Navy as an engineer on destroyers and patrol craft. After he left the service he joined a "hot-shot" fire suppression crew of the U.S. Forest Service in Sequoia for the 1950 fire season, and lived in Porterville. After returning for a brief time to Trona, he began work at Lackland AFB in 1951.

From his initial job on C Range in 1952 as a munitions worker, Paul subsequently was promoted to the positions of head ordnanceman, test conductor and assistant range engineer. After 19½ years at C Range he moved to B range as range engineer. He assumed his present position about a year and a half ago.

Paul has memories of the "primitive" conditions during the early days on the

Lake, Coso, Coles Flat and Mojave B - and follows through by analyzing data from them. Such tests are designed to evaluate the tactical application of new systems or weapons. Since he's responsible for so many tests at this time he doesn't often have the chance to follow them in person on the ranges. When he does go out to a range, however, he might be asked to answer questions that could arise if there has been a change in the test program (and there are many such changes). Usually, "quite a number" of flights must be scheduled to complete an evaluation on a system or weapon. Numerous Awards Received
Over the years, Paul has won a good deal of recognition for his work. He has received numerous letters of appreciation and letters of commendation, and several sustained superior performance awards and quality salary increases. In addition, in 1959 he received an award under the Beneficial Suggestion Program for his suggestion, "Coordination and Control of Air Traffic," which saved the Navy \$10,000.

According to Paul's supervisor, Jerry Reed, head of the Project Engineering Division in the Test and Evaluation Department, "Paul is a very fine project engineer. He combines both his technical training and his experience effectively into planning and managing tests on the ranges, especially in the area of tactical weapons testing. I look to him quite often in terms of assistance and planning for the department."

Paul and his wife, Marjorie, live in Ridgecrest with their children, Marie, 20; Paula, 18; Jim, 17; Debbie, 15 and Brenda, 14.

Auto Mechanic at Heart
In spite of his long career on the ranges, Paul must still be an automotive mechanic at heart because he has estimated he spends 30 per cent of his spare time working on his 1949 Dodge truck and his son's 1963 Falcon.

For the last two years he has been the assistant district administrator for Area 1 Little League, a large district which includes Ridgecrest, China Lake, Trona and quite a few other communities. Previously, he was associated with the Ridgecrest Little League, Boy Scout Troop 1208 (now disbanded) and local Cub Scout groups. As a family, the Alexanders enjoy camping out "all over - Death Valley, you name it, but not as often as we'd like to, naturally," Paul added. Paul figures that he'll probably retire in two or three years and wants to stay in this area: "We've got too many roots here to leave."

Working in air-to-ground weapons delivery, Paul is now the primary contact point for range requests from the Fleet, the majority of which come from Air Test and Evaluation Squadron Five (VX-5). He handles the scheduling of tests at any of the Code 37 aircraft ranges - G, C, B, Airport

Promotional opportunities

(Continued from Page 2)
provide some typing assistance as needed, but position does not require a fully qualified typist. Job Relevant Criteria: Must have experience in maintaining a filing system, know how to operate adding machines, calculators, office copying equipment, and be able to type. File applications for the above with Terry Rowell, Bldg. 34, Rm. 212, Ph. 2032.

Secretary, GS-318-5/4, PD No. 720002N, Code 14 - This position is that of secretary to the Navy Technical Officers who are advisors to the Commander and the Deputy Commander. Incumbent performs such duties as maintaining all files, typing official correspondence, memoranda, etc., opening, screening and routing mail, handling and controlling classified material, answering and screening phone calls, greeting and assisting visitors, scheduling all appointments, and maintaining daily liaison with the Commander's and Deputy Commander's offices. Job Relevant Criteria: Ability to type efficiently and accurately, knowledge of Center's organization and policies, ability to deal tactfully with people and to work under pressure. File applications for the above with Tina Lowe, Bldg. 34, Rm. 206, Ph. 2723.

Recreation Aid, PS-0189-04, \$2.71 per hour - This is not a Civil Service job. This position is for manager of the Auto Hobby Shop. The Auto Hobby Shop provides sales and service facilities for maintenance and repair of automobiles, motorcycles, trucks and scooters. Incumbent prepares work schedules and submits time sheets, provides instructions to auto shop patrons, issues tools and test equipment to patrons, trains new employees and establishes and maintains all records that are required to operate and control the facility. Job Relevant Criteria: Experience in managing a retail operation and knowledge and experience in automotive mechanics and using automotive shop manuals. Recreation Aid, PS-0189-02, PD No. 7455110, \$2.53 per hour - This is not a civil service job. This position is a lifeguard at the Center Gym swimming pool. It is intermittent, 11 a.m. to 1 p.m., Monday through Friday. File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2393.

Freight Rate Assistant, GS-2131-4/5, PD No. 7425007, Code 25942 - (This job may be filled on a full-time, part-time or intermittent basis.) This position is located in the Shipping Section of the Traffic Branch, Material Division, Supply Department. The incumbent is responsible for determining the proper mode of transportation and routing for shipments, determining the proper freight classification of materials and equipment to insure that the government pays the proper costs for transportation, the proper preparation of the various shipping documents, and is responsible for maintaining appropriate transportation files. Job Relevant Criteria: Basic knowledge of hazardous materials and their compatibility for shipping and storage, basic understanding of transportation funding and transportation account codes, and the ability to type and to meet and deal with others. Advancement Potential: GS-7.

File applications for the above with June Adams, Bldg. 34, Rm. 210, Ph. 2371. JOB OPPORTUNITIES
Supervisory General Engineer, GS-801-14, Naval Plant Representative Office, Pomona, Ca. - This is position that of Engineering Director of the Engineering Division. Selective factors are the ability to supervise project engineers, knowledge of DoD configuration management, and of DoD program planning, knowledge of design approaches for tactical missiles or combat weapon systems, of quality and reliability engineering, of production engineering and planning, of contractor engineering performance evaluation, and of application of ASPR. Submit SF-171, supervisor's evaluation, information regarding awards received in last 5 years, pertinent training and self-development, EEO duties and response information for supervisory and management positions Closing date is March 9, 1976. Personnel Staffing & Employee Relations Specialist, GS-201-9/11 - (2 positions). Positions are with DCASR Cleveland, Ohio 44119. Additional information about the above positions may be obtained by contacting Betty Geiser, Bldg. 34, Ph. 2457. Mathematician, GS-1520-9/11/12 (1 vacancy), and Electronics Engineer, GS-855-9/11/12 (1 vacancy) - This is a re-advertisement. Positions are with A-7 5A Division, Directorate of Material Management, OC-ALC Tinker AFB, Okla. The duty station is China Lake, Ca. File SF-171, supervisor's appraisal of current performance awards, suggestions and self-development information with Betty Geiser, Code 652, Ph. 2657. Applications are to be received not later than March 5, 1976. Additional information may be obtained by contacting Charles Pierce, NWC ext. 5201.

Marc Pohl scores narrow victory in exciting 8-mile run

An exciting finish in which Marc Pohl scored a narrow, 1-yr. victory highlighted the Washington's Birthday 8-mile run held last Saturday on a course near the Desert Empire Fairgrounds in Ridgecrest.

There were 38 entrants in this event, sponsored by the Over-the-Hill Track Club, and Pohl, a 13-year-old member of the Maturango Milers, won the gold medal by edging out 8-year-old Leslie Wilson, another of the Maturango Milers' top runners in her age group.

For awhile it appeared that one of the speedy sub-teenage youngsters would take advantage of their lengthy time handicaps (based on the Portsmouth start system which gives the joggers and slow runners a headstart over the stronger runners in the field) and win the race.

Seamus Freyne, an 8-year-old youngster representing the Over-the-Hill Track Club, held the lead from the 3 mile point until there was just one mile to go. At that time, however, Miss Wilson took over the lead, closely followed by Pohl.

The latter just managed to get in front of Miss Wilson during the final straight-away leading to the fairgrounds' entrance.

New Course Record Set

Closely in pursuit of this lead group was 20-year-old Mike Harrie from the Rialto Road Runners. Starting the race without a handicap, Harrie finished in fifth place but in so doing set a new course record of 41 min., 30 sec.

Other fast times that were posted, all under the previous course record, were 43 min., 17 sec. by Marvin Rowley, a Los Angeles resident representing the Culver City Athletic Club, and 43 min., 52 sec., by Brice Hammerstein, a former Navy enlisted man from San Bernardino who also represented the Rialto Road Runners.

The leading finishers for the Over-the-Hill Track Club included Scotty Broyles, whose time of 52 min., 50 sec., earned him the 10th place handicap award, and Tom McMahon, who was clocked at 48:33.

Byron Richardson, a Burroughs High School graduate running for the West Valley Track Club, covered the 8-mi. distance in 45:09.

This year, a total of 12 runners completed the course in less than the standard mark of 50 min., compared to 5 who were able to do so in 1975.

Wilt's Corner

Beginning swimming classes for children, adults set at gym pool

Beginning swimming classes for children and adults will be taught at the Center gymnasium's indoor pool starting March 9. Each class will meet for eight weeks.

Three classes are being offered at a cost of \$6 per student, all of which will be held on Tuesdays, beginning March 9. Children from 6 to 18 mo. of age may be enrolled in the 9 to 9:30 a.m. class; 1½ to 2½-yr.-old youngsters can take the 9:30 to 10 a.m. class, and 2½ to 4-yr.-olds are offered a 10 to 10:30 a.m. class.

Children in the 4 to 5-yr.-old group can take any one of three classes at a cost of \$8 per student, also to be held on Tuesdays, beginning March 9. The times are 10:30 to 11 a.m., 1 to 1:30 p.m. and 1:30 to 2 p.m.

A Monday class, beginning March 22, will be offered 6- to 10-yr.-olds from 4:15 to 5 p.m. The cost is \$8 per student.

Adults are offered a choice of two classes at a charge of \$10 per student. One class will begin on March 24 and will be held on Wednesdays from 7 to 8 p.m. The other class will begin on March 25 and is scheduled from 1 to 2 p.m. on Thursdays.

Persons interested in any of these classes should register with the gymnasium secretary Monday through Friday from 9 a.m. to 2 p.m.

Adult Basketball

The 1975-76 adult basketball program will be completed this week, except for play in the open league.

BURROS TROUNCE BARSTOW — In their 1976 season finale last Friday, the Burros varsity basketball team romped to an 83-52 win over their counterparts from Barstow. The game's top scorer was Daryl Moline (No. 40) with ball, who tallied 24 points. Other Burroughs High cagers in photo are Robert Campbell (No. 32) and Drew Martin (No. 10).



—Photo by Ron Allen

Burros varsity cagers end 1976 season; trample Barstow, 83-52

A strong finish in which they won eight of their nine last Golden League games still wasn't enough to earn the Burroughs High School varsity basketball team a berth in the CIF post-season playoffs that began this past Tuesday.

Contrary to earlier information, only the top two teams in the league — Victor Valley and Antelope Valley — were picked to participate in the CIF playoffs. Burroughs tied for third place in the league with Kennedy High School of Barstow.

In their 1976 season finale last Friday, the Burros varsity hoopsters cruised past the Barstow Rifflians by hanging a 83-52 loss on

the visitors. It was a big night for both Bill Doremus, talented guard for the Burros, and teammate Daryl Moline. Doremus set a new single game mark of 14 scoring assists and at the same time eclipsed the Burros' previous Golden League season mark set in 1973 by Mike Bachman as he reached an all-time high of 103.

In addition, Doremus had a total of 146 scoring assists while playing in 14 league and 10 non-league games throughout the past basketball season. This also is a new record for the Burroughs High varsity basketball player.

High point honors in the Burros vs. Barstow game went to Daryl Moline, who connected on 11 field goals and 2 free throws for a total of 24. Other Burroughs players in the double-figure scoring column were Doremus (15) and Robert Campbell (14), while Drew Martin, Tommy Flournoy and Jerry Pangle chipped in 8 points apiece to assist in the victory.

On the Barstow side of the scorebook, the leading point-makers were Rollie Simmons and Darrel Evans, who tallied 14 and 12 points, respectively.

For the first half of last Friday's night's game, the visitors from Barstow were able to stay within range of the free-scoring Burros. The hosts left the floor at the halftime intermission with a 4-point lead of 38-34, after getting off to a 23-14 first quarter

(Continued on Page 7)

Cougars, Bruins tied in youth cage play

Two teams, the Cougars and the Bruins, were tied with identical records of 11 wins and 1 loss each at the end of last week's play in the Youth Basketball League.

Play-off games will be scheduled at the conclusion of the regular season if any are necessary to determine the winner in any division.

The Rockets have a 2-game lead in the Junior Division, but in the Senior and High School Divisions the Bucks and 76ers have just a 1-game edge over their nearest rivals.

Unless a play-off game is necessary, the final games will be played on March 2 in the Intermediate Division, on March 3 in the

(Continued on Page 7)



Varsity volleyball team prepares for MDISL tournament

The Naval Weapons Center's varsity volleyball team is now gearing up for the Mojave Desert Inter-Service League tournament to be hosted by the Marine Corps Supply Center at Barstow on March 20-21.

Tomorrow the volleyballers will participate in an 18-team tournament at Pacific Palisades and on March 6 they will travel to El Camino Junior College to participate in a 24-team tournament. As additional preparation for the MDISL tourney, they will play in a four-team round robin event at George Air Force Base on March 13.

According to Will Wyman, NWC Athletic Director, spectators are always welcome during team practice sessions at the Center gymnasium each Sunday from 4 to 7 p.m. Jerry Kissick is the NWC team's player-coach and Jim Bevan, Bob Smith, Tim Higgins, Bob Berry, Ted Bailey, Duane Fojt, Ed Mikami and Gary Schmidt all are members of the local squad.

Mother's Buggies keglers add to lead in Premier League

A 3-game sweep by the Mother's Buggies over the cellar-dwelling King Max squad, coupled with the NAF bowlers' 2-1 win over Loewen's, enabled the Premier League's top team to extend its lead to 12 games this past Monday night at Hall Memorial Lanes.

It was a night for mild upsets, as the Elks also outgunned the third place Western Columbia keglers, 2 games to 1, partly due to Bill Osborne's 599 series which included a 229 single game score.

Vic Black and Jim Bowen, both of Mother's Buggies, were the runners-up for high individual series honors with totals of 594 and 592, respectively, while Terry Miles rolled a 255 single game that was tops for the evening.

Team	W	L
Mother's Buggies	54	15
Loewen's	42	27
Western Columbia	38	31
Hideway	37	32
NAF	33	36
Credit Union	32.5	36.5
Number One	28	41
Elks	28	41
High Desert	27.5	41.5
King Max	26	43

Intramural League basketball standings

China Lake Intramural Basketball League final standings.

Team	Open League	W	L
Desert Motors	9	1	2
Loewen's No. 1	8	2	1
Texas Instruments	6	4	4
Homestead	4	6	6
Bloodstone	2	8	8
Delinquents	1	9	9
Div. A — Recreation League			
Shooters	9	1	1
Gas Bags	7	3	3
Huff 'n' Puff	7	3	3
Hackers	4	6	6
Crusaders	3	7	7
Lobos	0	10	10
Div. B — Recreation League			
Bird Dols	10	2	2
Loewen's No. 2	8	4	4
Dispensary	6	6	6
Lizards	5	7	7
Perdejos	1	11	11



QF-86H DRONE PRODUCTION PROGRAM COMPLETED — In slightly more than two years' time, the production phase of the program to convert the airframes from Air Force F-86H Sabrejets into 29 remotely controlled subsonic target drones was completed. This was no small task, as can be seen by the photo at top left which shows what condition some of the aircraft were in before this work began. The conversion program involved NWC civilian and military personnel, aided by contractor employees. In photos typical of the work that took place, George Mullett, associate head of the NAF Targets Department, may be seen in the picture at top right adjusting an item of ground test equipment that was produced for this program by employees of Code 3925. In



the cockpit of the drone aircraft is Gordon Zurn, while Price Workman is looking over his shoulder as they observe the operation of the remote control gear. The photo at lower left shows LTV contractor personnel running through a pre-flight test on the last of the QF-86H drones to be completed. The workmen are (l.-r.) Jerry Simmank, W. T. James, Ron Peebles (in cockpit), and Gus Getuski, who is in charge of LTV personnel. The program's safety pilots (lower right photo) were (l.-r.) Harlan Reep, L.Cdr. Gordon Williamson and Lt. Bruce Frazer. Another of the safety pilots, Lt. Al Detwiler, was unable to be present for the photo. In addition to being a safety pilot, Reep operates the remote control ground station.

QF-86H target drone production completed . . .

(Continued from Page 1)

installed the special drone equipment, tested it, and the modified aircraft was reassembled by LTV personnel.

Still in the hangar, the controls of the QF-86H were again tested — this time using the MSQ51 remote control ground station. Runway taxi tests by remote control (with a safety pilot in the cockpit's seat if needed in an emergency) was the next step and maintenance flights (again with a safety pilot in the aircraft) were then made to verify that all of the drone systems functioned properly.

Once all systems were "go," another operational QF-86H was transferred to the NAF Targets Department. Some were put into storage until needed, and three were transferred to the Pacific Missile Test Center at Point Mugu.

Up to the present time, 11 of the 29 QF-86H drones have been shot down during firing tests of the advanced versions of the Sidewinder and Sparrow air-to-air missiles and the Phoenix and Chaparral weapons systems.

In addition to Bornfleth, the many men involved in conversion of the Air Force Sabrejets into target drones include Curt Bryan, head of Code 3925; Hal Schmeer, shop supervisor; Bill Stuart, acceptance

Salvaged fencing material available

Fencing material that has been salvaged by the removal of wooden fences from motel-type housing units on the Center is now available for use by tenants at China Lake.

This material may be used for repairing existing fences or installing new ones.

Persons interested in obtaining information about picking up such fencing material are asked to contact Dorothy Aubrey by calling NWC ext. 3868.

test technician, and Vance Hansen, who contributed heavily to the program's success as program manager through the first 1½ years it was under way.

Reep, who has been involved in this program since its inception, not only "flew" the drones during all of their remotely controlled flights, but also doubled as a safety pilot. Other safety pilots from NAF were L.Cdr. Gordon Williamson and Lts. Bruce Frazer and Al Detwiler.

Aircraft electricians, machinists and technicians from the NAF Targets Department, under the direction of L.Cdr. Jim Pate, department head, and George Mullett, associate department head, in-

Nat'l Engineers Week fete set tonight

Dr. Hans Mark, director of the National Aeronautics and Space Administration's Ames Research Center, will be the speaker at the National Engineers Week program tonight, which is to be held at the Ridgecrest Elks Lodge, 201 E. Church St.

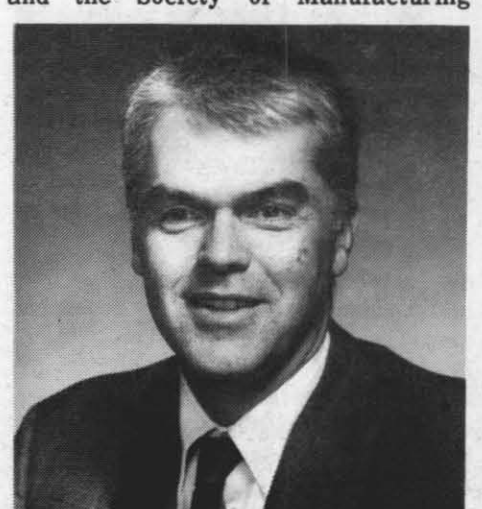
The evening's social hour will begin at 6 and a prime rib dinner will follow at 7. The program is scheduled for 8 p.m.

Honored guests at the dinner, which is the highlight of the local observance of National Engineers Week, will include Rex E. Shacklett, Mayor of Ridgecrest, and Mrs. Shacklett, and Dr. G. L. Hollingsworth, NWC's Technical Director, and Mrs. Hollingsworth. Master of ceremonies will be Bill Werback, president of the local chapter of the American Institute of Aeronautics and Astronautics, and head of the Structural Mechanics Branch in the NWC Systems Development Department.

This National Engineers Week program is sponsored by the High Desert Engineering Association and its member organizations: American Institute of Aeronautics and Astronautics, American Society of Civil Engineers, California Society of

Professional Engineers, Institute of Electrical and Electronic Engineers;

American Institute of Chemical Engineers, American Society for Quality Control, American Defense Preparedness Association, Society of Logistic Engineers, American Society of Mechanical Engineers and the Society of Manufacturing



Dr. Hans Mark

Bluejacket . . .

(Continued from Page 1)

maintenance documentation." The letter added, "As Maintenance Training Petty Officer, you coordinated the department training requirements and schedules to produce an efficient and effective training program."

Prior to joining the Navy in June 1961, AZI Martinez worked as a logging road surveyor in his native province of Laguna on the Philippine Island of Luzon. He enlisted "in order to travel and to meet people" and became a U.S. citizen in October 1969.

And travel he has. As a steward aboard the destroyer USS Shelton (homeported in Yokosuka, Japan) from 1964-66 he visited Mombasa, Kenya, Dar es Salaam, Tanzania and Aden, Saudi Arabia.

Qualifies for Change in Rate

AZI Martinez was serving as a steward's mate with Attack Squadron 55 at NAS Lemoore when he was given the opportunity to change his rate. After taking an exam and attending "A" and "C" schools, he came to NWC in July 1973 as a brand new aviation maintenance administrationman.

What does he think of the switch in jobs now? "It was a whole new world when I got to VX-5. I like my new rate, it's better than being a steward. You get to meet people, you really get the exposure," said NWC's top sailor this month.

He and his wife, Ressa, live in Desert Park with their children, Zhalynn, 9, and Leonell, 6. In his spare time he likes to fish, hunt, bowl and drive into the nearby mountains to go camping.

Wins Trip to Bakersfield

As a result of AZI Martinez' selection as Bluejacket of the Month, he and his wife will be the guests of the Greater Bakersfield Chamber of Commerce some weekend soon. While visiting the Kern County seat, they will be hosted at the Bakersfield Inn, where they will receive their rooms and meals, and will also receive various gift certificates and discount coupons from Bakersfield merchants who participate in this monthly program.

For transportation to and from Bakersfield, AZI Martinez will have the loan of a new Ford automobile from Desert Motors in Ridgecrest.

In addition, as a result of his selection as VX-5's Sailor of the Month for January, AZI Martinez will receive a special 72-hr. liberty, a parking space close to the hangar, and will have his photo displayed in the squadron area.

Spec. Library hours cut

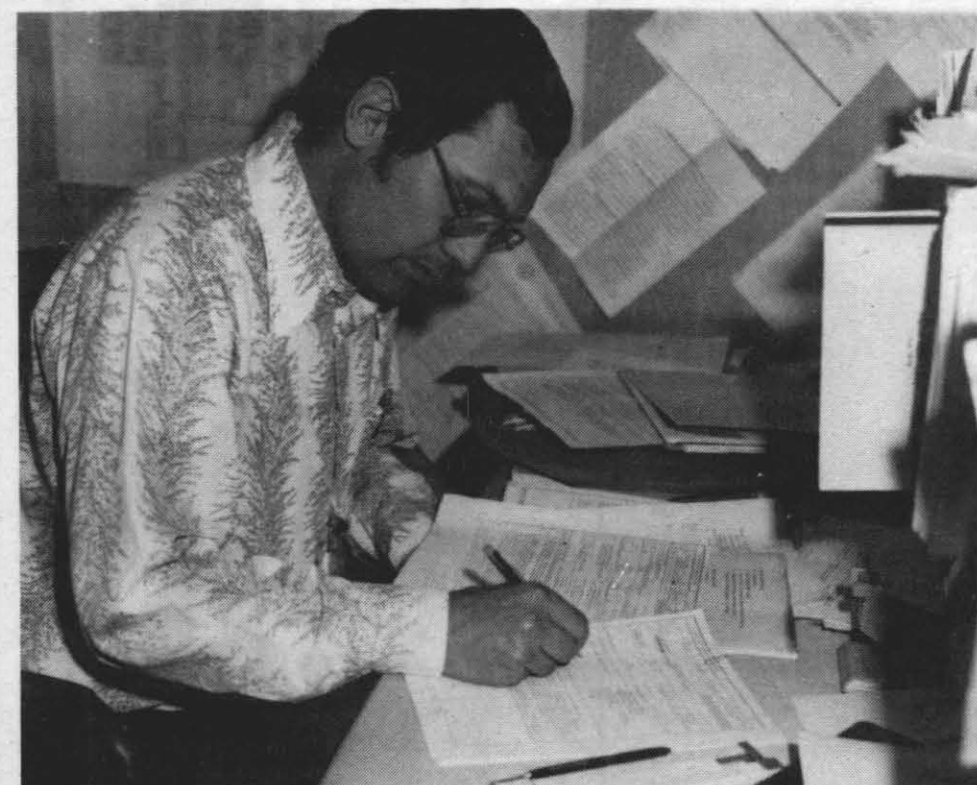
At the present time, and continuing until further notice, the Specifications and Standards Library, located in the basement of Michelson Laboratory (Rm. B83W) will be open only from 7:30 to 11:30 a.m. on weekdays.

Engineers.

A physicist and nuclear engineer, Dr. Mark will discuss "The History of Research Institutions." He also will provide a slide presentation related to this year's National Engineers Week (Feb. 22-28) theme: "American Ingenuity — 200 Years of Engineering."

Prior to joining Ames in February 1969, Dr. Mark was a professor and researcher in the fields of physics and nuclear engineering. He has also held various administrative posts related to research in physics and operation of large-scale research facilities. In addition, he has served as a consultant to several government agencies and has held a number of university committee assignments.

Dr. Mark received his Ph. D. degree in physics from the Massachusetts Institute of Technology in 1954 and at Ames he has continued his research interests in atomic physics. He has authored or co-authored several papers in the field and is serving as a member of the National Academy of Sciences Committee on Atomic and Molecular Physics.



TO RECEIVE MERIT AWARD — Tony San Miguel is shown writing a technical memo documenting test data about heat, smoke and toxicity of gasses from an A-4 aircraft cockpit fire. He was the project engineer for the burn test, which was one of his major achievements at NWC. Tonight he will receive the Institute for the Advancement of Engineering's Outstanding Engineer Merit Award in Los Angeles. —Photo by Ron Allen

Outstanding Engineer Merit Award to be presented to NWC employee

Tony San Miguel, a mechanical engineer in the Advanced Technology Branch of the Survivability and Lethality Division, Systems Development Department, will receive the Institute for the Advancement of Engineering's Outstanding Engineer Merit Award in Los Angeles tonight.

He and his wife, Carol, will attend the Institute's banquet and awards presentation at the Los Angeles Hyatt Regency. San Miguel was nominated for the award by the Los Angeles-based Society of Hispanic Professional Engineers, in recognition of his overall professional contributions to engineering. He holds several patents and has published articles in numerous journals.

His current work is modeling and measuring fire structural degradation of Metal Trades Council.

The next monthly meeting of the Indian Wells Valley Metal Trades Council will be held on Thursday, March 4, starting at 7:30 p.m. at 65-B Halsey Ave., China Lake.

The council is the representative of a unit composed of non-supervisory, ungraded, civilian employees of the Naval Weapons Center who are employed at China Lake.

aircraft and ordnance. These experiments make use of instrumented animals and transducers, devices which simultaneously measure smoke, toxicity, heat flux, temperature, light, strain acceleration and pressure.

A China Lake employee since 1968, San Miguel joined NWC at Corona in 1967. He worked in the Research Department here until 1975. He holds B.S., M.S. and M.B.A. degrees from UCLA.

He and his wife live in Ridgecrest with their children, Tony, 7, Tanya, 8 and Lisa, 12.

Registration for Chapman College courses now open

Registration is now being held at the office of the Chapman College residence education center in Ridgecrest for Term IV classes, which will be conducted from March 8 to April 30.

Classes offered during Term IV are: Sociology of Deviant Behavior, five Saturdays, 8 a.m. to noon; Juvenile Delinquency, five Saturdays, 1 to 5 p.m.; Psychology of Learning, Mon., Wed., 5:30 to 8 p.m.; Advanced Developmental Psychology, Tues., Thurs., 5:30 to 8 p.m.; Psychological Foundations of Education, Tues., Thurs., 8 to 10:30 p.m.; Teaching of Social Studies and Language Arts in the Elementary School, Tues., Thurs., 5:30 to 8 p.m.; Seminar in Curriculum Theory, Tues., Thurs., 5:30 to 8 p.m.; Group Process, Tues., Thurs., 8 to 10:30 p.m.; and Twentieth Century History, Mon., Wed., 8 to 10:30 p.m.

Registration will continue through March 8 at the Chapman office, located at 218 N. Sanders St. in Ridgecrest from 9 a.m. to 5 p.m. weekdays. Additional information can be obtained by calling 375-4416.

NWC employees who attend any of the Chapman College courses offered locally may obtain a tuition refund, provided they prove the class is job-related and they submit a proper NWC enrollment form (via department channels) to Code 654 prior to registering in any course.

Chapman College offers courses in upper-division studies fulfilling requirements for B.A. degrees in Social Science and Psychology and M.A. degrees in Education and Marriage, and Family and Child Guidance Counseling.

Classes are taught at Pierce School or informally at instructors' homes during the evenings. The faculty consists of locally qualified instructors who meet the standards of the home campus in Orange. Tuition is \$60 per unit for graduate students and \$50 per unit for undergraduates.

Meeting scheduled Monday night by Astronomical Society

Amateur astronomers and all other interested persons are invited to attend the next meeting of the China Lake Astronomical Society, which will be held on Monday evening, starting at 7:30, at 401-A McIntire St.

On the program for the evening will be the presentation of a film about Pioneer 10's encounter with Jupiter late in 1973, and a talk by Gene Schneider, secretary of the Astronomical Society.

Miss Schneider, who is a programmer in the Guidance and Navigation Systems Branch of the NWC Systems Development Department, will present a different viewpoint on the question of whether or not intelligent life exists on earth.

In her talk, based partially on a book entitled "The Cosmic Connection," she will take the approach of an alien being who is making a pitch to his board of directors for additional funds needed to continue with research on the question of the existence of intelligent life on earth.



RECEIVES PROMOTION — Master Sergeant Tom Brown, USMC, was congratulated on his recent promotion by Lt. Col. E. C. Paige, Jr., Marine Corps Liaison Officer at NWC. M / Sgt. Brown enlisted in the Marine Corps in 1956 and has served as an ordnance specialist throughout his career. Since reporting to China Lake in 1972 he has been involved in such projects as Shrike, Bulldog and Sidewinder, as well as laser-guided weapons and designator tests. His wife, Sherry, and children, Thomas, Linda and James, witnessed the ceremony along with a number of Marines and representatives of other branches of the military service. —Photo by Joe Dunn

NWC's technology transfer work discussed . . .

(Continued from Page 1)

range of scientific talent that can be brought to bear on other than military hardware kinds of problems.

In cooperation with the State of California and the Air Pollution Control Board, NWC has been involved in a number of projects in the San Joaquin Valley, Antelope Valley, the Southern California air basin and even in Death Valley during which a mobile unit utilizing instrumentation developed at the Center for measuring air pollution has been used. Similar equipment installed in a light aircraft also has made it possible to carry out a three-dimensional air sampling project in the Los Angeles basin.

Much work also has been done in order to develop a better understanding of the vulnerability of ships and aircraft to catastrophic fires. This technology, the Skipper noted, has almost direct applicability to similar problems that confront the U.S. Coast Guard, federal and state aviation authorities and the maritime administration.

Accident Causes Studied

The field of railroad safety is another area where it has been possible to use the knowledge of NWC personnel to advantage in non-Department of Defense applications. Several major railroad accidents, it was pointed out, have been directly attributable to detonation of ordnance or other dangerous materials as the result of fires caused by hot journal boxes on railroad cars.

Naval Weapons Center engineers and technicians have not only analyzed the data collected by investigators following several of these railroad accidents, but have set up

Annual meeting set by NWC Credit Union

The annual meeting of the Naval Weapons Center Federal Credit Union will be held next Thursday, March 4, starting at 7:30 p.m. at the Community Center.

Results of the recent election to fill three vacancies on the board of directors and two vacancies on the credit committee will be announced at that time by Fred Weals, chairman of the supervisory committee.

Also on the agenda will be the manager's report, presented by William A. Arriola, and a recap of the past year's activities by William J. Baker, president of the Credit Union's board of directors.

In addition, the treasurer's report will be presented by George Silberberg, and a report from the credit committee will be given by Lt. E. N. Smith.

All Credit Union members are invited and urged to attend.

simulation tests to determine flame propagation patterns and detonation thresholds for various kinds of hazardous materials.

"This kind of work done by a group of engineers at NWC has been of great value in gaining the kind of knowledge that is needed to prevent similar accidents in the future," RAdm. Freeman said.

Other Research Conducted

Continuing his comments about efforts in the technology utilization field, the speaker stated that the Center has assisted the Federal Railroad Administration by providing the equipment and instrumentation necessary for gathering data on a wayside power distribution and collection system for the Department of Transportation's tracked air-cushion research vehicle. In addition, work involving the use of airborne sensors that are highly sensitive to infrared and microwave radiation has been done with the U.S. Forestry Service to help detect forest fire "hot spots."

In the field of energy sources and applications, NWC is working with the Energy Research and Development Agency on an evaluation of the potential of the Coso Range geothermal area as a source of power. Also, using a strong technical capability that has been developed in infrared detection, signal processing and related infrared functions, Center scientists and engineers have proposed to the National Institutes of Health the design and fabrication of an improved automatic tissue culture colony growth monitoring system.

Such a system, RAdm. Freeman explained, would enhance data collection on the behavior of tissue being tested for cancer growth — something that would be a help to medical diagnosticians.

Program Warrants Expansion

"The concept of exploiting technological advances achieved in the prosecution of military programs to help solve problems in completely unrelated fields now has been demonstrated sufficiently to warrant expanding the program even further," the Skipper emphasized.

Another special field of endeavor at the Center that has grown with the increased emphasis on protecting the environment is in the area of natural resources management and conservation, RAdm. Freeman said before summarizing the many and varied facets which this program encompasses throughout the Center's more than one million acres of Upper Mojave Desert land.

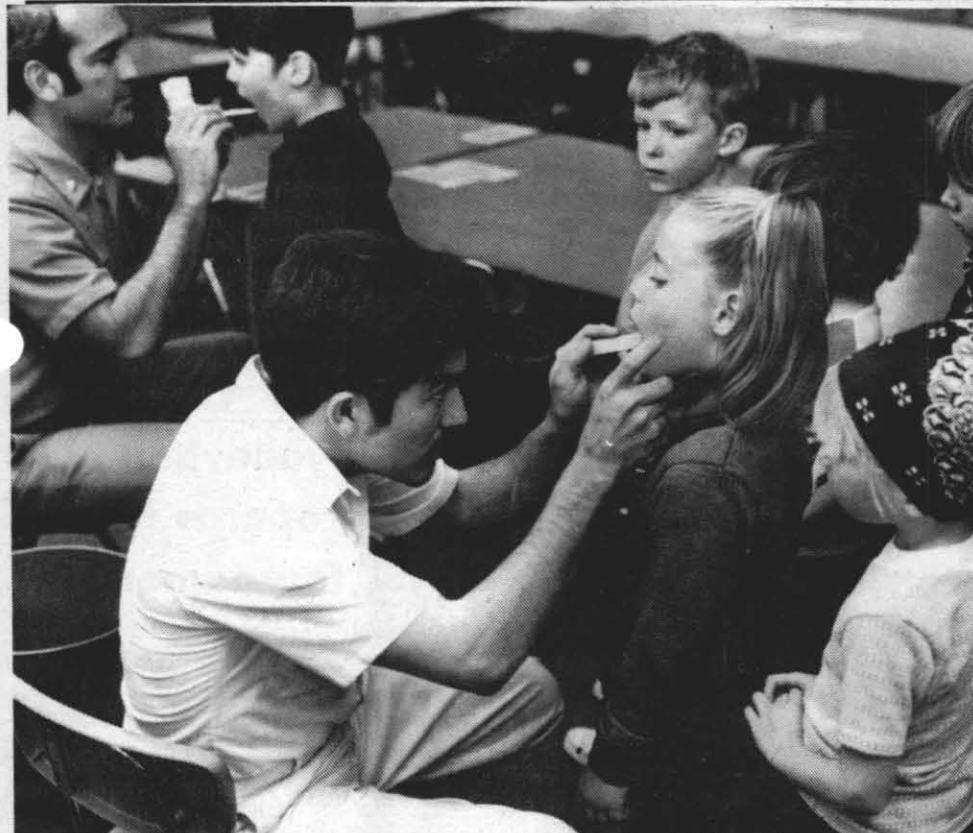
The NWC Commander concluded his talk at the Antelope Valley Business Outlook

Conference by urging that, especially during this Bicentennial year, everyone take advantage of the opportunity "to celebrate a heritage that has made this the most progressive, freedom-oriented, purposeful nation on the face of the earth."

Even today, he continued, "we are adding to the traditions and heritage that make the United States of America the noblest experiment in the history of mankind."

Speak up for America in this Bicentennial year and take the time to participate in the many events being planned to commemorate this historic milestone in America's history, RAdm. Freeman suggested.

The message he most wanted to leave with his audience, he added, was that in 1976 "we should look up, not down, and be positive advocates of trying rather than crying."



TEETH CHECKED — During the last two weeks of February all students in kindergarten through the sixth grade within the Sierra Sands Unified School District were given dental screenings through the cooperation of local community and Navy dentists. Cdr. Donald M. Barron, NWC Dental Officer (upper left) and Dental Technician D. N. Rodriguez are shown checking the teeth of afternoon kindergarten students at Richmond School. Lt. D. T. Crandell, a Navy dentist, also participated in the program, along with the following dentists from the local community: Dr. Kirk Hoffner (who substituted for Dr. Robert Newsom), Dr. Arlo Mueller, Dr. Aldean Washburn, Dr. Paul Mayberry and Dr. Robert Anderson. Also assisting were volunteers from each of the schools' PTAs and the Inyokern Parents' Club. Organizers of the event stressed that although the inspection is no substitute for a regular visit to the dentist, parents will be notified by mail if a defect is found. —Photo by Ron Allen

Ex-alcoholic tells of help provided by Navy Counseling, Assistance Ctr.

(Editor's note: One of the unsung, but highly valuable services available to military personnel and their dependents at NWC is the help that is regularly provided by the staff of the Navy Counseling and Assistance Center (CAAC), located at 109-D Mitcher Rd. The CAAC Program embraces a wide range of people problems such as alcoholism, suicide prevention, marital and financial problems, in addition to drug-related matters. The CAAC is open Monday through Friday from 7:30 a.m. to 4 p.m. Drop in at any time and talk things over, staff members suggest. In addition, help can be obtained by calling the 24-hour hotline (NWC ext. 2054 or 2395). Since the CAAC staff must have complete confidence of the patron, anything that is discussed is maintained in complete confidence. A specific example of how one anonymous Navy man has been helped was written for publication in The ROCKETEER. It follows below.)

If you have a need for information in any specific area, then go to the source most likely to give you the straight scoop. If your problem concerns mathematics, see a mathematician. If it is chemistry then of course see a chemist. However, if you want to know about alcoholism, then talk with an alcoholic.

I once knew a man about ten years or so ago who was enjoying his occasional drink or night out with the boys. His Navy career was above average in that he was receiving letters of appreciation for jobs well done from the powers in charge and was being promoted well ahead of most others in his rate at the time. His division officer viewed him with such esteem that he recommended him for participation in the Navy Warrant Officer Program.

His off duty activities brought him further esteem in trophies from Toastmaster Conventions to being a leader in his local church. He was just an all around average sort of fellow with a family of five and a determination to make things a little better for his kids than he possibly had had for himself.

Then things started to change. His occasional drink became a daily drunk. The home environment changed, the kids no longer brought their friends home. The wife lived in fear of him and the many things he would do. Their financial situation was worse than a poor credit risk and even the dog got a new master.

His work began lacking in every area from his professional performance to his military duties. Stand-bys were sought for watches assigned and morning musters were infrequently attended. Excuses like the flu were used to cover for the hangovers and early escapes from work were made to "go get well." Finally, hospitals came into his life over and over again for detoxification — topped off with a visit to a house for the mentally ill.

What happened to this guy? People would ask him this question, and worst of all, he would ask himself the same question and had no hope for an answer. He was baffled by all that was happening to him and repeatedly swore off drinking in countless vain attempts. Finally, realizing he could not stop the degradation, he attempted to stop his drinking by driving a bullet from a .38 special through his chest.

He lived, or I should say existed, for several more years after this, and all the while continued to further destroy himself through the use of alcohol.

When everyone had given up on him — from the medical profession to his wife and kids — he gave up on himself. He quit fighting and asked for help. From that day on, with the days running into years, he hasn't touched a drop of alcohol, and his life has returned to normal.

I know this story is somewhat hard to believe, but it actually happened. I know it happened, because that man is me. I work at the Navy Counseling and Assistance Center and if you have a drinking problem, I care and can help.

Desert Area Honor Band Festival slated at Burroughs lecture ctr.

The Desert Area Honor Band Festival, an event sponsored by the Desert Music Educators' Association, will be held on Saturday, starting at 7 p.m., at the Burroughs High School lecture center.

Donations will be 50 cents per person for admission to the Honor Band Festival, and proceeds will be used to buy new music for future honor bands.

Rehearsals involving top junior and senior high school musicians from an area that extends from Antelope Valley on the south to Indian Wells Valley on the north began today and will continue tomorrow.

Dr. Vernon F. Leidig, from California State University at Los Angeles, will be the guest conductor of the Junior High School Honor Band, while Benton Minor, of California State University in Fullerton, will direct the High School Honor Band.

The Sierra Sands Unified School District will be represented in the Junior High Honor Band by musicians from Monroe and Murray Schools. This musical group also will include instrumentalists from Forbes Junior High (at Edwards), Gephart Junior High (in Boron), Hamilton Junior High (in Rosamond), and Joshua Junior High (in Mojave).

Selections to be played by the Junior High Honor Band will include "Sonatina for Band" by Frank Erickson, "Imperatix" by Alfred Reed, "Kentucky 1800" by Clare Grundman, "The Nutmeggers," by Eric Osterling, and highlights from "Godspell," written by Stephen Schwartz and arranged by William Russell.

High schools, in addition to Burroughs, that have sent students here to participate

in the High School Honor Band concert are Antelope Valley (in Lancaster), Boron, Desert (at Edwards), Mojave, Palmdale and Rosamond.

The high school musicians will play John Philip Sousa's "The Black Horse Troop" (as edited by Frederick Fennell), "Glenn Miller in Concert" (arranged by Wayne Scott), "Ambrosian Hymn Variants" by Donald H. White, "Festive Centennial" by W. Francis McBeth, and Alfred Reed's arrangement of "Nocturne" by Alexander Scriabin.

Local students selected for the high school honor band are Jennifer Lyons, Kathy Malone, Kathy Sippel, Betty Baker, Becky Davis, Glenda Davis, Cathy Bruskin, Fred Hunter, Steve Sorensen and Shane Kruk.

There are 24 students from Murray Junior High in the junior high honor band. They are Lynette Lorch, Peggy Annos, Susan Driscoll, Jessie Saitz, Todd Walker, Jimmy Hall, Lisa Stogsdill, Rhonda Lindemann, Robin Saholt, Brian Faith, Tomm Hillier and Scott Lutjens.

Also in the Murray band are Bill Cabe, Megan Garrett, Evelyn Lewis, Robby Fabans, Eric Peterson, Scott Thompson, Barney Feist, Jeff Carson, Curt Niccum, Paul Woodworth, Dan Burdick and Mike Prince.

In addition, there are 11 Monroe Junior High School students in the honor band. They are Jennifer Reid, Holly Dix, Cathy Connolly, Becky Cowan, Monika Holtermans, Kurt Rockwell, Charles Bechtel, Bruce Rockwell, Bob Gritton and Walter Curtis.

Happenings around NWC

A representative of the Social Security office in Lancaster will pay another of her regular monthly visits to China Lake next Wednesday, March 3.

Persons wishing to apply for a Social Security number or obtain information about Social Security benefits and Supplemental Security Income claims can do so at the Community Center between 9 and 11:30 a.m.

Youth Center Tournaments

This afternoon is the deadline to register for pool, ping pong, chess and checker tournaments that will be held, beginning at noon tomorrow, at the Youth Center.

Participation is limited to Youth Center members, and there is no limit on the number of events a youngster can enter. It is recommended, however, that if a player is unable to remain for the duration of the tournament he or she shouldn't enter the

competition.

Sign-ups are being handled by Carol Hape at the Youth Center, which is located in Bennington Plaza, just behind the Navy Exchange snack bar.

There is a charge of \$6 per year for youngsters who wish to join the Youth Center and thus become eligible to participate in special events such as this, and also make regular use of the recreation facilities that are available for them.

Seabee Ball Set March 6

Plans are well under way for the annual Seabee Ball in celebration of the 109th birthday of the U. S. Navy's Civil Engineer Corps and the 34th birthday of the Seabees. This event will be held on the evening of Saturday, March 6, at the Community Center.

A social hour will precede the 7:30 p.m. dinner that is to be followed by a program that will begin at 9.

Dancing to the music by a combo from the 11th Naval District Band in San Diego will conclude the evening.

Two of the evening's highlights will be presentation of the Reserve Seabee of the Year Award and a formal cake cutting ceremony.

Persons who received invitations to the event and desire to attend should respond by today.

Drama Gp. Slates Tyouts

The China Lake Players will hold tryouts for the comedy "6 Rms Riv Vu" by Bob Randall on Monday, Tuesday and Wednesday, starting at 5:30 p.m. in the Players' Hut, 305 McIntire St., China Lake.

The play deals with two people looking at an apartment for rent. They get locked in and become involved in planning an affair. There are parts for four women and four men.

According to Robbie Robbins, who will direct the play, "We will be looking for new faces as well as the valley stalwarts. Some of the parts are minor, so if you have been wanting to be in a play but were afraid of the heavy parts, then try out for this show."

Production dates are tentatively set for April 30 and May 1, 7 and 8, but will be set formally after casting is completed, Robbins said.



CERTIFICATION RENEWED — Capt. W. F. Daniel, NWC Public Works Officer (at left), congratulates Frank McEifish, an employee in the Maintenance Service Branch of Code 70's Maintenance Utilities Division, after the latter qualified for the renewal of his pest control certificate. The certificate also recognized the successful completion by McEifish of a Navy correspondence course entitled "Pest Management Training." McEifish is the Public Works inspector who monitors the pest and weed control contract on the Center.