Cast chosen, dates given for staging of 'The Rainmaker'

Rehearsals are now well underway for the China Lake Players production of "The Rainmaker.'

Opening night of the production will be Friday, April 13, with additional performances on April 14, 19 through 21, and 26 through 28, all held in the Playhouse (at the corner of Lauritsen Road and Blandy Avenue).

Cast in the role of Bill Starbuck, the man who claims to be a rainmaker, is Greg Cote, with C. Karen Altieri taking the role of Lizzie Curry, a prairie wallflower who is brought to realize her own charm and the beauty of life.

John Kern, Robert Persons and Bob Hoffman will portray Lizzie's father, H. C. Curry, and her two brothers, Noah and Jimmy. Cast as the sheriff and his deputy, respectively, are Richard Jackson and Ted

Karen Buehler will direct the production.

Reservations are strongly recommended and may be made by telephoning The Music Man, 375-4001. Tickets must be picked up no later than 8 o'clock on the night of the production, with curtain time being 8:15.

General admission is \$3.50, and the charge for students, senior citizens and enlisted military is \$2.50.

Auction of original art work planned by WACOM

Art lovers will have the opportunity to purchase original paintings at an art auction sponsored by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) on Friday, March 30.

The art work will be on exhibit at the Commissioned Officers' Mess from 6 to 7:30 p.m., and the auction will begin at 8 o'clock. All interested persons are invited to attend. A donation of \$1 per person will be asked

at the door. Wine and cheese will be served throughout the evening

The art work is being furnished by Royal Art, Ltd., of North Hollywood. Visa, Mastercard, checks or cash will be accepted in payment for any art work that is purchased.

Now is time to sign up for visit to petroglyphs

The Maturango Museum has scheduled a series of trips to the petroglyphs this spring and is now accepting reservations from those who'd like to take an escorted tour of this registered historical site.

Dates scheduled for trips are April 14 and 15; May 26 and 27; and June 2 and 9. There will be no charge for members of the museum, but non-members will be charged \$5 for adults and \$3 for children between the ages of 8 and 15.

Reservations may be made by telephoning the Maturango Museum at 446-6900.

Snack bar hours changed

The Bennington Plaza Snack Bar's new hours of operation are from 6 a.m. to 4 p.m., Monday through Saturday.



UNUSUAL ENTERTAINMENT — "Mime Musica," a blending of pantomime and music by John Harvey and Joemy Wilson, will be presented next Wednesday, March 28, at 7:30 p.m. in the Center theater. This is the fifth program in the current series of the Indian

Concert combining pantomime, music to be presented March 28

Local concert goers can look forward to a groups of other students from public and journey into the realm of the imagination private schools in the local area. next Wednesday, March 28, when they experience "Mime Musica" during a program that will start at 7:30 p.m. at the

This skillful blending of pantomime and music is the fifth concert in the Indian Wells Valley Concert Association's 1983-84 season. Some partial season memberships, which offer savings on the remaining concerts, are still available. For information, interested persons should call 375-5600.

Single-event tickets for "Mime Musica" are priced at \$5 each (\$3 for persons under 21 or over 65 years of age, and for full-time enlisted military personnel).

"Mime Musica," which combines the whiteface mime of Jon Harvey and the dulcimer playing and vocals of Joemy Wilson, made its debut at the Baltimore Theatre Project in 1977.

Harvey, who was inspired in early childhood to explore non-verbal communication with his deaf aunt, has dedicated his life to the silent art of mime. A student of Marcel Marceau, Harvey has appeared at Carnegie Recital Hall in New York, and at well over 200 college and university campuses across the country. He also was the first mime ever awarded a grant in choregraphy from the New York State Council on the Arts.

Joemy Wilson has sung with the New York City Opera and the Pennsylvannia Pro Musica. She also is one of the nation's most innovative performers on two ancient instruments — the Appalachian Mountain dulcimer and the hammer dulcimer.

Also scheduled at 10 a.m. next Wednesday

is a student program at the Center theater for fourth graders from the Sierra Sands Unified School District, seventh graders from Murray Junior High, and selected Weekend Roundup "Kountry Cookin," a six-piece band from Los Angeles, will entertain patrons of the

Chief Petty Officers' Mess this evening from 8:30 to 12:30 o'clock. Dinner, featuring Icelandic cod or prime rib of beef, will be served from 6 to 9 p.m.

The CPOM will be open for dinner tomorrow evening and will feature a special porterhouse steak dinner, in addition to items from the regular menu.

This evening, in a first-time appearance at the Enlisted Mess, disc jockey Steve Malar will present "Upstage," a lively blend of recorded disco music, "top-40" selections, and musical requests. Dancing will begin at 9 and continue until 1:30 a.m.

The dining room will feature a lobster dinner this evening from 6 to 9 o'clock, and porterhouse steak tomorrow evening from 6 to 8:30 p.m.

The Commissioned Officers' Mess will be open for dinner this evening from 6 to 9 o'clock. Patrons may select from the regular menu or choose a special of prime rib of

Some seating in the Center theater also will be available for the general public during this student program, which is provided at no charge as an educational service of the IWV Concert Association, and is made possible by contributions to the Student Education Fund.

Alaskan wilderness trip to be recalled by film-lecture Tues.

Hal and Jean Bennett will present a Maturango Museum lecture entitled "Through the Gates of the Arctic by Backpack and Kayak" at 7:30 p.m. on Thursday, March 29, at the Burroughs High School lecture center.

To defray the cost of renting the lecture center, a fee of \$1 will be charged Maturango Museum members, and \$2 for nonmembers.

The Bennetts, along with their traveling companions, Bill and Naomi Norris, will describe their trip to the Gates of the Arctic National Park on the south slope of the Brooks Range in Alaska last summer. The first 12 days of the trip were spent backpacking through a wildly beautiful area where they saw much wildlife but no sign of human habitation. The last five days of the trip were spent kayaking on the Koyukuk

To illustrate the lecture, the Bennetts will



REST STOP — Jean and Hal Bennett pause momentarily on their backpacking trip through the Gates of the Arctic National Park. They will describe their journey at a Maturango Museum lecture at 7:30 p.m. on March 29 at the Burroughs High School

Desert Counseling Clinic to celebrate 33 years of service

The Desert Counseling Clinic will celebrate its 33 years of service to the community at a dinner to be held Saturday, April 14, at the Elks Lodge, 201 E. Church St., Ridgecrest.

The evening will begin with a social hour at 6 o'clock, to be followed by a roast beef and turkey buffet dinner at 7 o'clock. Reservations for the dinner, which costs \$12.50 per person, must be made by Wednesday, April 11, and may be made by telephoning either Sophie Dodge or Bonnie Palmer at the clinic, 375-9781.

Highlights of the evening's program will include the presentation of the Sylvia Besser Award to an individual who has made an outstanding contribution to the mental health and well-being of the community, a discussion of the current programs of the clinic, and the introduction of new board members and officers.

Guest speaker for the evening will be State Sen. Walter Stiern, who will talk about what is happening in the state capital and possible implications for mental health funding in the state.

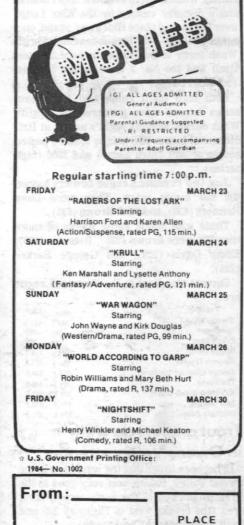
Pilots invited to hear about avoiding collisions

All pilots are invited to attend a program on how to avoid near mid-air collisions that will be presented Monday at 7:30 p.m. at the Senior Citizens' Center, 120 S. Warner St. in

The program will cover the physiology of the eye as well as other practical information that will help avoid mid-air collisions or near misses. A film entitled "Take Two and See" will also be shown, and V. F. Brophy, an accident prevention specialist, will speak on "Visual Collision Avoidance."

NEX now has fresh flowers

The Navy Exchange florist shop once again has fresh flowers for sale. Also available are special orders, bouquets, corsages, single flowers, bud vases, and floral arrangements in a variety of styles and



STAMP

HERE

Green light given

For establishing Electronic Assembly Productivity Center

area in which the Naval Weapons Center facility in support of research on materials already has gained national and interna- and processes by the Navy personnel, intional recognition.

The green light has been given by the Office of the Chief of Naval Material for establishing an Electronic Assembly Productivity and Manufacturing Research -Center.

The schedule for this new venture calls for moving into a building in Ridgecrest that will house the facility by July 1 and going into operation by Sept. 1.

The aim of the Electronic Assembly Productivity and Manufacturing Center is to lead to a better understanding and utilization of existing commercial assembly equipment, to aid in the selection and transition of equipment into the production line, and provide data in the form of cost efficiency and cost effectiveness to the production lines of Navy contractors.

The Electronic Assembly Productivity and Manufacturing Research Center is to be

dustry, academia, and other government

This Productivity Center is an outgrowth of the NWC Engineering Department's Soldering Technology Branch headed by Jim Raby, and it was Raby, joined by coworkers Donna Sanger, Kathi Johnsen, Mel Scott and Rick Breitengross, who conceived the idea and developed the proposal that is about to come to fruition when the Electronic Assembly Productivity and Manufacturing Research Center goes into

Center goes into operation.

Initially, the aspects of productivity and manufacturing that have been chosen for study and research will be small batch electronic manufacturing that utilizes manual. operator assisted, and semi-automated to contractors and government agencies. utilized to maintain a model paperless fac- portant function of the Productivity Center,

It is the intent of the Productivity Center staff to speed the implementation of new technologies and streamline existing technologies in the field of electronic component assembly and production. Success will be measured by a reduction in the number of rework operations that are required and fewer field failures of electronic equipment.

Center personnel will conduct studies, establish efficiency data and process requirements that are geared to maximizing cost effectiveness of the equipment used and the quality of the product.

Plans call for objectively evaluating existing electronic component manufacturing and assembly equipment, and comparing manufacturers' products having similar capabilities. These evaluations will be the basis for technical reports, both written and visual, that will be available for distribution equipment. Computer terminals will be Because cost analysis will be another im-

automated equipment, and which manufacturer's equipment would best suit the individual's needs, will be answered. In addition, another function of the Productivity Center will be to work out various

move from semi-automated to fully-

options and plans that require different levels of equipment and training. Industry will be invited to send key representatives here to conduct studies on the Productivity Center's equipment -

utilizing the unique hardware configurations that will be transferred through the Productivity Center's Data Dissemination and Information Exchange System.

The Electronic Industries Association (EIA) will help coordinate the activities between contractors and Productivity Center personnel. In this way, the new facility will lead to a better understanding and utilization of available equipment,

(Continued on Page 5)



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NAVAL WEAPONS CENTER

NWC involved in protecting endangered plant, wildlife species found aboard Center

With the dramatic increases in human populations and increased recreational and ommercial use of desert lands, the protection of the environment afforded by areas of restricted access such as military reservations becomes vital for the survival of many threatened or endangered species of animals and plants.

NWC's more than 1,700 square miles of land provides such protection for species of fish, birds and mammals already identified as endangered or threatened, and a survey ongoing to determine what rare, threatened or endangered plants can be ound on board.

Under the Endangered Species Act of 1973, the Center is required by federal law to pursue the recovery and protection of species listed as endangered or threatened by the Fish and Wildlife Service. An endangered species by its definition is any species in danger of extinction throughou all or a significant portion of its range.

The California Department of Fish and Game also lists for protection species that are endangered or rare. Rare species are those that have the potential for becoming endangered. By use of a Memorandum of Understanding, NWC also recognizes those species as listed by the state and tries to protect these as well.

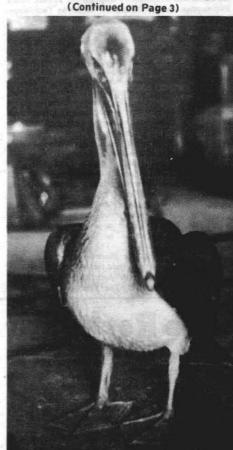
The first step, according to Bev Kohfield, a biologist assigned to Endangered Species Management in the Environmental Branch of the Public Works Department, is to study the species to determine its abundance and

"If it's a species that we don't know much about," she says, "we try to get an expert on carefully their OSH Programs to ensure that species to come in and show us what to

> Looking for a species can involve aerial surveys for large animals but often involves trudging by foot throught the desert dwell in the hope of attracting them to the rather than brown pelicans.

sheltered spot. At a later date an insect survey can be accomplished simply by turning over the boards.

Once a survey is completed, the information is entered into a Navy-wide computer data base (Relatabase). Sensitivity maps indicating where populations of the rare, threatened or endangered



UNCOMMON VISITOR — This young California brown pelican, who is listed in the category of a rare or endangered species, wandered in and around a number of buildings on the NWC ranges in August 1981. After several days, he took off and headed or mountain ranges. Ms. Kohfield says that back to the coast where his species orthey actually prime areas by laying out dinarily lives. The pelicans normally seen boards in areas where beetles and bugs around the Center in spring or fall are white

Government-wide goal set of reducing workplace injuries President Ronald Reagan has established According to information received from

GETTING A LOOK AT THE WORLD — Although classified as a rare or endangered

species, these young Mojave ground squirrels don't seem to be concerned about that

status. They are fairly common on Center lands, along with their relatives, the antelope

a government-wide five year goal of the Office of the Chief of Naval Operations, reducing civilian workplace in- this effort will require Command leadership juries/illnesses three percent per year, and awareness on the part of all hands. starting with the present fiscal year.

The President notes: "We must make the federal government an example in occupational safety and health. We cannot which would be unacceptable in the private sector."

The President emphasized his concern about federal government illness/injury claims which are approaching one billion dollars annually.

The three percent per year reduction goal will be measured by the Department of Labor, using the number of new Federal Employee Compensation Act (FECA) injury claims. For this reason, a two-pronged program emphasizing mishap prevention datory if the Navy is to attain the goal.

The most effective and obvious way to reduce injuries/illnesses, it is stressed, is to eliminate hazards and ensure management

and first line supervision accountability. All allow conditions to exist in our workplaces echelons of command, particularly shore activity Commanding Officers, must personally involve themselves in their Command's Occupational Safety and Health (OSH) Program. Commanding Officers are asked to review

that they are preventive and meet the Navy's OSH requirements.

The Navy Inspector General is now beginning to monitor and measure activity performance in FECA cost control. Keys to reducing costs, it is emphasized by the CNO, and FECA claims management is man- are Command awareness, interest, and trained compensation claims managers.

Announcement No. C-62-14, Supervisory Electronics Engineer, DP-855-3, PAC No. 8462524E, Code 6204 — This position is located in the Range Department, Special Projects Office. The incumbent is responsible for the operation of a Radar Cross-section Measurement Range. including but not limited to the following: Preparation of proposals for potential customers; supervision of range operations; maintenance of range verification and calibration; establishment and maintenance of a configuration baseline; planning, proposal and execution of modernization and improvement projects; and coordination with other Center codes (e.g., Public Works, Security). The incumbent is directly responsible to the Range Manger. Job Relevant Criteria: Knowledge of project management; knowledge of the principles of radars and radar measurements; ability to plan, schedule and coordinate activities across a spectrum of organizational elements. Knowledge of computers and

ment No. C-61-05, Warehouse Worker, WG-6907-5, Code 614 — (This is an amendment to last week's announcement C-61-05) This position is located in the Aircraft Department, Ordnance Division. The incumbent will perform duties that involve receiving, shipping, storing, quality assurance inspections, transporting hazardous material. Job Relevant Criteria: Knowledge o ordnance Items; ability to operate trucks and special vehicles for explosive hauling, knowledge of receipt, issue and storage of ordnance materials; ability to meet and deal effectively with others; and the ability to interpresafety regulations. The supplement is available in Rm. 100 in the Personnel Department. Promotion potential to WG-. Previous applicants need not apply.

ment No. 35-007-84, Electronics Engineer, DP-855-2/3, Code 3522 Position is located in the Advanced Technology Branch, Code 3522, RF Development Division of the Electronic Warfare Department. The position is for an electronics engineer who will serve as SideARM test engineer. The incumbent will be responsible for ensuring that critical tests, measurements and experiments on th Guidance and Control Systems (GCS), missile subsystem, and missile components are completed and documented The incumbent will coordinate the preparation, testing and integration of the GCS section to the missile for captive flight tests and firings. The incumbent will generate test plans and procedures to ensure that specifications for the required. He/She shall monitor contractor responsiveness to technical requirements. Job Relevant Criteria: Ability to write clear, concise, and complete test plans and procedures; ability to carry through on testing to ensure proper performance and isolation/correction of problems, ability to interact with personnel at all levels within and team personnel. This is a readvertisement. Status

Eligibles may apply.
Announcement No. 36-116, Quality Assurance Specialist, DS-1910-3, PAC No. 8436618E02, Code 3682 — This position is located in the Quality Assurance Branch, Product Assurance Divison, Engineering Department. The incumbent of this position will apply and implement quality assurance and quality control techniques and principles to ensure that the supplies and services delivered to the government meet quality, quantity and reliability quirements. Typical efforts will include planning, directing, controlling, coordinating and performing quality Job Relevant Criteria: Knowledge of production chniques, processes, and engineering design; knowledge and experience with contracts; knowledge of quality assurance and reliability requirements and practices relative to production contracts and demonstrated ability to communicate effectively, both orally and in writing.

Status eligibles may apply.

Announcement No. 36-117, Multidisciplinary Supervisory Physicist), DP-801/830/855/861/1310-3/4, PAC No. 8436606E, Code 36801 - This position is that of Associated Divison Head of the Product Assurance Division, Engineering Department. The incumbent will support the division head, in all administrative and technical matters pertaining to operation of the division which specializes in the disciplines of Reliability Engineering, System Safety Engineering, Quality Assurance, Soldering Technology and Metrology. The division also conducts research and related to printed wiring board/electronic assembly manufacturing, under the Electronic Manufacturing Support Office. The incumbent will play a major role in the conduct of division product assurance reviews and will be division-wide training program. In addition, the incumbent live product assurance leadership on special investigation teams/committees as the need arises and will interface with off-Center DoD and industry counterparts and management. Job Relevant Criteria: Demonstrated professional work and management experience in several of the product assurance disciplines; ability to provide leadership to a multi-disciplined group of onals; ability to communicate well both orally and in writing; ability to interface effectively with both on and from concept to completion; willingness to support Federal EEO program goals and objectives. DP-3s and DP-4s only may apply. Final selection of a DP-3 candidate for promotion to DP-4 must be approved by Center

ment No. 36-118, Electronics Technician, DT-856-3, PAC No. 8436619E61, Code 3683 - This position is in the Metrology Branch, Product Assurance Division.

Promotional opportunities

Applications (Standard Form 171) should be in the drop box at the Reception Desk of the Personnel Dept 505 Blandy. Unless otherwide specified at an ad, applications for positions listed in this column will be ac cepted from current permanent NWC employees only. All others desiring employment at NWC may contact the Employment Wage & Classification Division, Code 092 Ext. 2264. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Advertising positions in the Promotional Opportunities column does not preclude the use of alternative recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook 1-118; those for all wage system positions are those defined it OPM Handbook-C-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's upport of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason

certifies, troubleshoots and repairs a variety of precision neasurement and laboratory test equipment; provides technical advice and assistance to junior personnel; performs acceptance test and initial certification to verify specification and performance requirements. Job Relevant Criteria: Knowledge of electronics, physics and mathematics relating to metrology; ability to perform calibration functions using related test equipment; ability to troubleshoot electronic test equipment to determine cause of malfunction; ability to interpret and apply technical directives, standards and manuals as applied to

ment No. 08-015, Budget Clerk/Assistant, GS-561-3/4/5, PD No. 7708029N, Code 0833 — This position is located in the Office of Finance and Management, Budget Divison, T&E Budget Branch. Depending upon the grade of assistant and will provide assistance and backup to a budget analyst and assigned F.M.A. Incumbent maintains department fiscal files, changes status of job orders, reviews and corrects erroneous labor and material charges, prepares journal entries, processes corrections o accounting data, and answers numerous gueries for fiscal information and other budgetary duties depending upon the level of selection. Job Relevant Criteria: Interest and aptitude in working with figures; interest in the purpose and effect of prescribed procedures; and knowledge of Navy or NWC accounting and/or budgetary process. Promotion potential to GS-6. Status eligibles may apply.

Announcement No. 08-016, Budget Analyst, DA-560-1/2, PAC No. 8308594, Code 0833 — This position is located in the Budget Division, Office of Finance and Management ncumbent provides resource support services to one of NWC's operating departments. Responsible for all phases of budget execution, formulation, control and monitoring of direct, overhead, capital and service center budgets Responsible for conducting financial analysis. Job Relevant Criteria: Ability to gather and analyze raw financial data; ability to prepare clear and concise written and oral communications; ability to deal factfully and effectively with others. Promotion potential to DP-3. ncement No. 39-011, Supervisory Interdisciplinary

Physicist, DP-801/861/855/830/1301-4, PAC No. 8439527E, Code 395 — This position is that of head of the Radio Frequency Division, Weapons Department. The mission of Code 395 as a full spectrum division is to design, develop and provide manufacturing support for radio frequency related weapons systems and sub-systems. To accomplish its mission the division supports development of assigned radio frequency (RF) guidance systems, radars, RF data links, RF counter-countermeasure techniques and supporting RF technology from conceptual phase through full scale development. The division also conceives and independent system and subsystem solutions to critical Navy problems involving RF guidance. Job Relevant Criteria: Clearly demonstrated ability to supervise; experience in planning and allocation of personnel, financial and material resources; knowledge of state-of-the-art guided missile systems technology with experience in providing technical management and review; knowledge of the philosophy of operation and the weapons development/acquisition procedures of NWC, Systems Commands, OPNAV, and DoD; ability to understand and further management goals for daily and longrange operations; interest in and support of the EEO program; knowledge of current radio frequency missile systems technology

Announcement No. 08-017, Editorial Assistant (Typing), GS-1087-4/5, PD No. 8108009, Code 0823 - This position is located in the Word Processing Branch of the Management Division, Office of Finance and Management. Incumber serves as editorial assistant with responsibility for editing and processing a variety of reports, manuals and nce from dictated or handwritten drafts in final form. Proofreads finished work products prepared by other WPC staff members to ensure that a high-quality product has been prepared, i.e. procedural and grammatical accuracy and conformance wi markings, and general policy. Job Relevant Criteria Familiarity with the Navy Correspondence Manual, NWC Editorial Style Guide, and NWC Secretarial Handbook knowledge and proficiency in editorial procedures to matical construction; proficiency in the use of WF equipment; ability to type quickly and accurately

icement No. 09-021, Supervisory Personnel Clerk, Engineering Department. The incumbent calibrates,

GS-203-7/8, PD No. 8409008 E, Code 0931 - This position is in This position is will be responsible for supervising a new tional unit within the Personnel Department. The Service Support Group will be responsible for all personne transaction processing at the Naval Weapons Center Areas of responsibility include: Day to day operation of the current automated data system; coding and entering all SF-52s into the personnel automated data system; data quality assurance; new hire processing; benefit counselling and processing as well as other aspects of processing personnel actions. Job Relevant Criteria Knowledge of personnel policies and procedures processing personnel actions; knowledge of Federal, DoD, and Navy personnel rules and regulations; supervisory ability; ability to foster teamwork and cooperation in a matrix organization; ability to work with automated data willingness to support NWC EEO goals and

initiatives. Promotion potential to GS-9. ment No. 26-026 Production Facilitating Clerk GS-303-3, PD No. 8126005, Code 2611 - This position is ocated in the Maintenance Control Division, Public Works Department. The incumbent is responsible for reception maintenance and control of all work requests generated on the Center. The incumbent is also responsible for initial data entry and maintenance of work request information in request master file, assists in the training of employees in the use of a remote terminal and develops special reports for customers as requested. Job Relevant Criteria Knowledge of the Public Works maintenance function; knowledge of the Public Works work request processing system; ability to deal effectively with others; ability to operate data processing equipment sufficient to perform data entry. Promotion potential to GS-5.

ent No. C-62-23, Electronics Engineer, DP 855-3/4, PAC No. 8062587E, Code 6235 - This position is head, Range Development Branch, Range Instrumentation Division, Range Department. The major responsibilities are administrative and technical management of a branch working on a variety of field instrumentation projects supervision of up to 25 branch personnel through project engineers and section heads, and representation of branch and division plans and goals at the NAVAIR sponsor leve as well as at NWC management levels. Major on-going projects within the branch are the On-Axis Data System, the ALRITE Laser Tracker and the Metric Video programs. Management of these programs and marketing advanced instrumentation concepts are importan facets of the incumbent duties. Job Relevant Criteria Knowledge of radar systems engineering, an understanding of Range Instrumentation Requirements, a proven ability to develop and manage programs of significant magnitude. The ability for both oral and written expression, and demonstrated leadership skills. Promotion potential to DP-4

ncement No. C-62-02, Electronics Engineer, DP 855-2/3 PAC No. 8462506E, Code 62354 — This position is located in the Range Development Branch of the Range Department. The incumbent will serve as an electronics engineer assigned to the On-Axis Data System (OADS) program. The OADS is a computer driven star-calibrated radar system that will support NWC's test and evaluation of aircraft and missile system performance charac teristics. The incumbent will lead the electronics design elopment effort of the OADS program at Tower 9 Job Relevant Criteria: Knowledge of electronic ngineering fundamentals, specifically as they apply to digital electronics, analog circuit design, r.f. and

radar/antenna systems; ability to communicate effectively both orally and in writing. Status eligibles may

March 23, 1984

ncement No. C-62-19, Electronics Technician DT-856-1/2/3, PD No. 84 62 528, Code 6236 - This position is located in the Radar Branch, Instrumentation Division, Range Department. The incumbent will operate, repair, modify, maintain and calibrate radar systems, subsystems and related equipment. Job Relevant Criteria: Knowledge of Nike, Hercules, Western Electric rada family, R.C.A. FPS-105 radar; knowledge of application, design and maintenance of R.F. threat simulation; experience in general digital circuits and Data General computer applications. Status eligibles may apply.

Engineer, DP-1310/855-1/2, PAC No. 8462510, Code 62353 -This position is in the ALRITE Section, Range Develop ment Branch, Range Instrumentation Division, Range Department. The incumbent will provide technical suppor to the branch's effort in the development of range in strumentation in the fields of electro-optics and optics. Wil assist in the development of an operational laser tracker for range use. Will also act as technical consultant on other development projects as needed. Will be involved it ng and researching of future range instrumentation. Job Relevant Criteria: Basic knowledge of optics, electro optics and lasers. Be capable of application of knowledge to solve equipment failures, design improvements and to solve new instrumentation needs. Ability to communicat effectively both orally and in writing.

ncement No. C-62-18- Electronics Technician, DT-856-2/3, PAC No. 8462526N, Code 62543, - This position is located in the Telecommunications Operations Section Range Support Branch, Computer Systems/Data Division, Range Department. The incumbent will be involved in the design, development, testing, evaluation, operation, and maintenance of various types of range communications systems for use in support of ordnance testing on Nava ons Center ranges. The incumbent will manage, troubleshoot, and maintain the range communication cable distribution system, including maintaining p.m. schedules, trouble logs, and spares inventory. Respon maintenance of the range OJ-314/OA-7621 communications distribution systems and command-and-control trans mitting equipment. Job Relevant Criteria: Broad, diversified knowledge in electronics, including specialized work with analog and digital systems, microwave systems Ability to maintain, calibrate, and troubleshoot electronic equipment. Status eligibles may apply.

cement No. 24-094, Firefighter (Instructor)-GS-081-7/9, PD 8424005, Code 24203 — This position is located in the Fire Division of the Safety and Security Department The incumbent reports to the Deputy Fire Chief and is responsible for the development, coordination, and in entation of Fire Division training activities. As Training Officer, duties will include developing lesson plans, maintaining training records, determining training course requirements, administering the division training program, and conducting training classes and sessions for division as well as Center personnel. Job Relevant Criteria: Knowledge of fire prevention, fire protection, and the emergency medical field; knowledge of Center buildings, locations, areas, and associated fixed fire protection features and hazards; ability to communicat with others effectively, both orally and in writing; ability to instruct and work effectively with all levels of assigned personnel; knowledge of firefighter training requirements and training program; ability to work independently. incement No. 25-039, Procurement Clerk (Typist)

GS-1106-4/5, PD No. 8325019N, 8325030N, Code 25241 - This position is located in the Contracts Section I, of the Con tracts Branch, Contracts Division, Supply Department The incumbent is responsible for providing clerical support in the form of typing (utilizing Xerox 860 word processors). filing, compiling data, maintaining logs, and performing follow-up action item suspense dates for a wide variety of contractual actions. In addition, the incumbent maintain instructions and DAR Clause Books, reviews corres pondence and suspense action Items, and receives visitors variety of guidelines including DoD and Navy instructions. Contract Division Operating Procedures and Defense Acquisition Regulations and Clause Books. Job Relevant Criteria: Knowledge of correspondence regulations grammar, spelling, and contractual terminology, knowledge and skill in operating a Xerox 860 word processor; ability to meet and deal with people effectively: (Continued on Page 7)

Reassignment opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opuncements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has been brought up to date are encouraged to file an SF-171 or 172. All applicants must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities ment Advisors (Code 194 or 197) Apolica the person whose name is listed in the announcement. NWC is an Equal Opportunity Employer

ncement No. 36-109, Program Analyst, DA-345-2/3, business manager for the Computer Aided Engineering Program Office (Code 3603) and the Computer Aided Engineering Support Office (Code 3605). The position is resident in Code 3603. Duties include receiving and processing funds from a number of sources, tracking and eriodically reporting on the financial status of Codes 3603 and 3605, assisting with the preparation and submission of judgets, interfacing with the NAVMAT sponsor and other Systems Command sources of funding on financial maters, assisting with the definition of an automated system for financial tracking, and other financial and ad Knowledge of the NAVWPNCEN financial accounting system; skill at dealing with various types of funding Navy contracting practices; and ability to effect a variety 171 to J. Denson, Code 3603. This is a readvertisement and previous applicants need not reapply.

ncement No. 36-114, Electronics Engineer, DP-855 2/3, PAC No. 8436612E, Code 3621 — This position is located the Mechanical Systems Branch, Systems Engineering Division, Engineering Department. Incumbent responsible for the design, fabrication, check-out, nentation, and certification of laboratory electronic test equipment for missile guidance mechanical subsystems and related components. In addition, the incumbent is responsible for providing electronics engineering consulting services for branch members engaged in support of various NAVWPNCEN development and production programs. Job Relevant Criteria: Ability to design and document laboratory electronic systems used to test missile guidance mechanical subsystems such as seekers, gyros, cyrogenic subsystems and related comonents; knowledge of analog and digital electronic

planning; ability to work as a member of a team or as a team leader, ability to communicate both orally and i writing with personnel of varying technical backgrounds; knowledge of missile systems guidance operation i desirable. The position has promotion potential to DP-3. For further information, or to submit a SF-171 for this position, contact C. Preul, Code 362, ext. 2214.



DIVINE SERVICES

PROTESTANT Sunday Worship Service unday School (Annexes 1, 2 & 4) Bible Study (East Wing, Wednesdays ROMAN CATHOLIC 0830 Daily Mass (except Sunday) 1630-1700 Friday Confessions 0745-0815 Sunday Religious Education Classes

1930

JEWISH Friday (East Wing) UNITARIAN Sunday (Annex 95, as announced)

Youth soccer play results . . .

(Continued from Page 6)

dropped a 3-2 decision to the Drillers.

March 23, 1984

The Drillers landed in the win column following their first game of the season, thanks to a free kick goal off the toe of Jared Christensen, who also tallied a second goal with the help of an assist by Brad Bays. The latter racked up goal No. 3 for the Drillers.

The Timbers shut out the Earthquakes on the strength of two goals by Chris Marshall and one by Steven Lundwall, assisted by Marshall.

The Sting broke loose for three goals in each half to roll up a 6-0 win over the Strikers. Superior ball control by the Sting was instrumental in their lopsided victory. The Sting was led on offense by the goalscoring efforts of Chad Shedlock and Robbie Stark, who had two scores each, and Charles Eberhart, who scored one goal and was credited with an assist on another.

Close, low-scoring games prevailed in Division I (for 1st and 2nd grade players) on the first day of the Youth Soccer League's 1984 spring season. In three of the five games, the Eagles, Fury and Coyotes were 2-0 winners over the Rowdies. Chiefs and Express, respectively.

A great save of a near-goal by Sean Silva helped preserve the Eagles' shutout win over the Rowdies. Jose Ramirez and Scott Foremaster each scored one goal for the Eagles.

In what was another good game for the first outing of the season, the Fury came out on top (with goals by Sean Cassidy and Sean Waldron) in their matchup with the Chiefs.

The Coyotes' 2-0 win over the Express was aided and abetted by a first-half goal by Michael Eberhart, and a second goal later in the game by Kevin Self, assisted by Dustin Haynes. Good defense by the Express prevented any further scoring by the

Thrifty Wash team rebuilds lead in Premier League

The combination of a lopsided win by the Thrifty Wash keglers over the Sport Shack, and a decisive victory by the Elks Lodge over the second place Hideaway squad, once again enabled the league-leading Thrifty Wash team to put some distance between itself and the No. 2 team in the Premier (scratch) League.

Both high team game and high team series honors were garnered by Thrifty Wash during Monday night's action at Hall Memorial lanes. The league leaders posted scores of 1031 (high game) and 2806 (high

Just two Premier League bowlers topped the 600 series mark. They were Dave Reimers (630), and Jack Brown (623)

Those with single game scores of more than 220 were Brown (235), Reimers (233), Eddie Davis (229), and George Barker

Current standings in the Premier League

re:	
Team	Won Los
Thrifty Wash	 388.5261.
Hideaway	 370 28
Elks Lodge	
Buggy Bath	 335.5 314.
Modern Trophy	 334.5 315
Joseph's Italian Gardens	
The Place	 301.5348.
Raytheon Sidewinders	 292.5357.
Sport Shack	 279.5370.
Olympia Beer	 278.5 371.

Trout anglers do well in Owens Valley streams In between times that the wind blew in the

Owens Valley, fishing was very good in the streams stocked in the early season trout area (the creeks west of Highway 395 and from Independence Creek south).

Fishing in the Owens River is very slow currently, except around Stuart Lane and Bartel Road, both of which areas are being stocked regularly with rainbow trout.

Bass and catfish are still being caught in abundance from sloughs and ponds and also from the Owens River south of Tinemaha Reservoir. The largest number of these good-eating fish are being taken in the areas around the Black Rock fish hatchery ponds (but ponds themselves are off limits).



CONTROLS BALL - Robbie Stark, who scored two goals for the Sting in their season-opening win over the Strikers, works his way into the clear while advancing the ball toward the Strikers' net.

In other Division I contests, the Cobras and Roadrunners battled to a 1-1 tie, while the game between the Apollos and Owls ended in a scoreless deadlock.

Jennifer Bass, who led the Cobras on offense, scored for her team during its 1-1 tie with the Cobras, whose only goal was a shot into the net by Tiffany Marshall. Four shots at the goal, none of which hit

the mark, gave the edge on offense to the Owls in what was a defensive struggle between the Owls and Apollos in their first

Burros lose 1st two games . . .

(Continued from Page 6)

The Burros vs. 'Lopes game was a pitcher's duel for the first 31/2 innings of play. David Hawkins was holding his own for Burroughs, while Kevin Appier was in control on the mound for the Lancaster team.

The 'Lopes broke a scoreless deadlock in the bottom of the third when their lead-off batter singled, stole second and scored on another single.

The Burros, who have a tendency to be overawed by the Antelope Valley High School baseball teams, fell behind 4-0 in the bottom of the fourth inning due to an unusual set of circumstances.

The infield of the AV High School baseball diamond had high grass and soft ground in some places that created "dead" spots where the ball just dug in instead of bouncing after being hit.

During their half of the fourth inning, the Antelopes loaded the bases with no outs, and then, by virtue of the conditions noted above, scored three runs on hits that never got out of the infield. The "hits" were high choppers that confounded the infielders' attempts to handle them when they burrowed into soft spots on the diamond.

The second big inning for the Antelopes was the sixth, when the Lancaster team jumped on Jon Truitt, who had relieved Hawkins on the mound for Burroughs, for a total of four more runs that put the game on

A fly ball lost in the sun by a Burroughs outfielder dropped in safe for a hit by AV in the bottom of the sixth. The next batter laid down a bunt and was safe at first as the first runner advanced to second, and a bloop single loaded the bases.

Harris, first baseman for the 'Lopes, then found one of Truitt's pitches to his liking and NWC ext. 2911, or HM2 Jean Bormett, at blasted a double to centerfield that drove in NWC ext. 2161

three runs. Another double drove in Harris with what turned out to be AV's final score

Trailing 8-0 when they came to bat in the seventh and final inning of play, the Burros averted a shut out by scoring a run off a hit to right field by Timmy Lewis. The ball got by the AV outfielder and Lewis ended up on second base. He tallied a short time later on a hit by Steve Barkley.

Appier, the winning pitcher for Antelope Valley, gave up just six hits to the Burros and struck out 11. According to BHS coach Bill Sizemore, the AV hurler had a good fast ball that, as the game progressed, he mixed in well with an off-speed pitch he was able to get over the plate consistently.

Between Hawkins, the losing pitcher for Burroughs, and Truitt, the two BHS throwers gave up a total of 12 hits.

The Antelopes, who along with Palmdale may be one of the better teams this season in the Golden League, have both good pitching and good hitting. The Burros, who weren't up to their best form in the hitting department last Friday, still have a team with enough power at the plate to win a good many of their ball games. The Ridgecrest team played well on defense committing only two field errors.

Women's team practices

Practice sessions in preparation for fielding a military women's varsity slow pitch softball team are now being held on Monday, Wednesday and Friday, from 5:30 to 7 p.m., at Reardon Field.

Active duty military women (enlisted or officers) interested in playing on this team, or experienced in coaching softball are asked to call either HM2 Pat Buckelew, at

-Promotional opportunities-

(Continued from Page 2)

ncement No. 32-097, Industrial Equipmen Repairer, WG-5352-8, JD. No. 902, Code 32533 - This position (temporary, not to exceed one year) is located in Outside Machine Shop, Process Support Branch, Process Systems Division, Ordnance Systems Depart ment. The work is performed in the China Lake and Salt Wells Laboratories where 90 percent of the machinery and process equipment is used in the research and development of propellants, explosives, pyrotechnics, and related materials. Under supervision of the equipment mechanic foreman, the incumbent is responsible for layou fabrication, selection of procedures and techniques for installing, maintaining and repairing various machinery inits used to process hazardous materials. Job Relevant Criteria: Ability to do the work of the position without more normal supervision; knowledge of technical prac tices, trade theory and troubleshooting; ability to use precision measuring instruments and test equipment ability to use machine tools, hand and power tools, and related equipment; ability to read and interpret blueprints, nstructions, specifications, etc. Supplemental is required and may be picked up at the receptionist desk of the Personnel Bidg., 505 Blandy

uncement No. 31-016, Electronics Technician 856, DT-2/3 PAC No. 8431580, Code 31142 — This position is as a senior technician in the Hardware Development Section which is located in the F-18 Facility Branch, Avionic Facilities Division of the Aircraft Weapons Integration Department. The F-18 Facility Branch provides the simulation and integration test environment and work stations of the development, test, validation, verification and modification of operational flight programs exercised in the tactical computers of the F/A-18 aircraft. The in cumbent will perform as the senior technician for WSSF work station and avionics development and maintenance Duties will include the electronic maintenance of test consoles; the trouble shooting and testing of electromechanical and hardware subsystems; the layout and electronic design of test consoles and related components Work will be accomplished from blue prints, drawings sketches, and verbal instructions from the section head Job Relevant Criteria: Ability to work well under pressur and adjust to program changes; knowledge of electronic equipment such as a logic analyzer; experience in for malized hardware design, fabrication, documentation and maintenance standards and practices; experience in Fletcher digital design techniques is highly desirable. If ne position is filled as a DT-2, promotion potential will be to DT-3, but is not guaranteed.

ent No. 31-017, Interdisciplinary, Compute Scientist, Physicist, Electronics Engineer, Mathematician, DP-2/3 1550; 1310; 855; 1520, PAC No. 8431581 code 31144 — This position is located in the Facility Operations Section, F-18 Facility Branch, Avionics Facilities Division of the Aircraft Weapons Integratio Department. The incumbent will perform as a senior oftware engineer in the development, maintenance and testing of F-18 simulation and DEC system software. The prime function of this position will be to analyze, maintain and improve the existing system and simulation software Simulation Work Station. In addition, the incumber will be required to design, document, code and test application software (e.g. models, I/O drivers) as required for the VAX based Validation Work Station. The incumber will conduct design reviews and code walkthroughs as part of his/her assignments. Job Relevant Criteria: Knowledge of avionic systems; ability to plan, schedule, coordinate technical work as part of a major project; ability to communicate well both orally and in writing; experience in formalized software engineering development and

VAX operating systems and utilities. If the position is filled as a DP-2, promotional potential will be to a DP-3, but is no

ncement No. 25-040, Procurement Clerk, GS-1106-4/5. PD. No. 8325023N. 8325024N. Code 2522 - These positions are located in the Small Purchase Branch of the Contracts Division, Supply Department. The incumbent is responsible for providing follow-up support including in terfacing with requiring codes on the Center and with vendors in order to expedite delivery of materials. The incumbent will utilize an On-line Automated Supply In formation System (OASIS) to initiate tracer actions and update delivery status for on-line querying by requiring The incumbent is responsible for maintaining proper contract file documentation and initiating any contract administration documents required as a result of follow-up actions. Job Relevant Criteria: Knowledge of business practices; ability to work with automated management information systems; ability to communicate both orally and in writing; ability to exercise a high degree of tact and diplomacy in relationships with

Announcement No. 09-002, Black Interest Group Com mittee Member, all series/grades (Collateral Duty) Code 0908 — As a BIG Committee member, will serve in a task-oriented monitoring and recommending capacity to the BIG advisor. Will be responsible for attending the monthly BIG Committee meetings and for fully participating on any necessary. Will support and assist the BIG advisor and Deputy EEO Officer in such tasks as EEO publicity training programs, statistical analyses of the workforce, native Action Plan development, and carrying ou effective community relations program, with regard to the interest of Blacks. Job Relevant Criteria: Knowledge of the particular employment problems of Blacks and other minority groups; ability to handle work contacts with persons from all backgrounds; ability to establish good working relationships with managers, personnelists employees and community groups; ability to acquire knowledge of the Federal personnel system, agency procedures, and employment needs at NWC; and ability to communicate clearly, both orally and in writing. Note applicants do not need an SF-171, but will need to fill out a short application form at the EEO office, Rm. 205, Perincement No. 39-009, Administrative Officer, DF

341-3, PAC No. 8439522E, Code 3902 — This position is Head of Staff, Weapons Department. The incumbent provides and direction for the department. Reasponsible for the establishment, effective implementation and execution of department administrative policies and procedures. Incumbent originates, coordinates and/or reviews mentation and programs for resource manage and organizational analysis such as technical and overhead budgets, personnel and space requirements serves as a member of department management boards and committees; and supervises seven people in depar ment staff office. Job Relevant Criteria: Experience in providing a broad range of administrative advice and services especially in financial, personnel and organiza ment; ability to plan and organize work; ability to exercise originality and initiative in dealing with organizational issues; ability to conduct studies and analysis; and ability to effectively communicate orally and in writing with all levels of management both on and off Center. Previous applicants need not reapply.

ncement No. 34-005-84, Supervisory Technica Communications Specialist, DP-301-3, Code 3461 — This position is located in the Technical Information Department, Field Service Division, Field Branch No. 1 at CLPL.

In addition to supervising a staff of approximately seven people, the incumbent plans, implements, and directs on site technical information services. The services include cientific, technical and administrative publications, presentations; overhead transparencies, technical art photography and audio-visual support. Qualifying specialized experience for this position would typically be hat acquired as a Senior Technical Writer/Editor or a Senior Visual Information Specialist. Job Relevant Criteria: Ability to acquire knowledge of major technical programs; ability to determine technical documentation and presentation requirements of customers; ability to products; ability to deal effectively with people; the ability to supervise a staff; and willingness to support EEO goals

Secretarial opportunities

This column is used to announce secretary positions which the duties and job relevant criteria are nerally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which nay be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as ositions increase in grades, administrative functions secome predominant. At the higher levels, secretaries apply a considerable knowledge of organization, its objectives and lines of comcation Depending on grade level, typical secretary duties are implied by the job relevan

Unless otherwise indicated, applicants will be rated against the job relevant criteria indicated below. applemental form is required and may be obtained a toom 100 in the Personnel Building. Job Relevan Criteria: Ability to perform receptionist and telephon duties; ability to review, control, screen and distribut ncoming mail; ability to review outgoing correspondence; ability to compose corresponden and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet he administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff processes; ability to plan and coordinate trave rrangements; ability to maintain and coordinate upervisor's calendar and to arrange conferences.

cement No. 00-035, Secretary (Typing), GS-318-4/ 5. Code 03 - This is an intermittent position located in the Office of the Laboratory Director and provides support to

Announcement No. 31-024, GS-318-4/5, Code 3109 - This position is in the Versatile Computing Systems Program provides support to the program manager and other ntial to GS-6 but not guarante Announcement No. 36-115, Secretary (Typing), GS-318-5, PD No. 8336023, Code 3681 — Incumbent is secretary to the head, Soldering Technology Branch, Product Assurance

Division, Engineering Department.
Announcement No. 36-107, Secretary (Typing), GS-318-3/ 4, PD No. 7936318N, Code 3656 — This position is located in ne Specifications Branch, Technical Data Divsion, Engineering Department. The incumbent provides clerical support to the office and a knowledge and working skill on a IBM Mag Card II or CPT Word Processing System is desirable. Promotion potential to GS-5. This is a read

The Rocketeer Official Weekly Publication Naval Weapons Center

China Lake Captain K. A. Dickerson **NWC Commande**

> B. W. Hays Technical Director **Dennis Kline**

Public Affairs Office

Don R. Yockey Mickey Strang Associate Editor

PHAN Rebecca Gil PHAN Greg Hogan Staff Photographer



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Tuesday, 11:30 a.m.

SPORTS

Scorpions post 4-1 victory over East **Foothill Rowdies**

The opening round of play in the Inland Empire Youth Soccer League last Saturday resulted in a notch in the win column for the Ridgecrest Scorpions '68 soccer team.

The Scorpions '68 team defeated the East Foothill Rowdies in San Bernardino by a score of 4 to 1, putting the Scorpions into a tie with the Riverside Devils for first place after one series of contests.

The scoring began midway through the first period of play with a goal tallied by Scorpion midfielder Scott Piri after forward Billy Hugo slipped the ball to Piri from

Piri was again part of the scoring action near the end of the first half of play. At 36 minutes into the 40-minute period, Piri passed the ball to Bill Ledden, who punched it past the Rowdies' goalie to increase the score to 2-0 in favor of the Scorpions at the

Following the start of the second half, the San Bernardino team managed to push a goal through the Ridgecrest defenders at the 13-minute mark to threaten the Scorpions' lead, but the game was soon settled by the efforts of Ledden and Hugo.

On two feeds from Ledden, at the 15- and 17-minute marks, Hugo twice booted the ball past the Rowdies' defenders to top off the scoring in this game.

The Scorpions '68 play was well balanced and aggressive, despite the efforts of the Rowdies' offside trap that denied the local team several scoring chances.

Defensively, Brian Hayes gave a superb effort as a stopper back for the Scorpions and Neil Johnson performed well at the sweeper position - better than ever considering the young man had open heart surgery last December, Coach Karl Kauffman said.

Next league action for the Scorpions '68 team will be a home game at Davidove Field tomorrow afternoon at 2 o'clock against the Azusa California Express squad.

through ninth grades who launched the 1984

spring season of Youth Soccer League

competition last Saturday

Burros varsity nine drops first two league tilts

1984 Golden League season — having lost its first two games to the Antelope Valley and Canyon High School squads by scores of 8-1 and 10-6, respectively.

Two games do not a season make however, and since the league schedule calls for three contests between each of the Golden League foes there is hope for the Ridgecrest team - provided that pitching can be improved and the batters can bunch their hits.

Upcoming are two road games for the Burros, who will be at Saugus this afternoon and will travel to Palmdale on Tuesday. Both contests start at 3 o'clock.

Last Tuesday's game with the Canyon Cowboys saw the Burros take a short-lived 2-1 lead in the first inning, but the visitors from Canyon Country then took charge. While shutting out the Burros until their last turn at bat in the bottom of the seventh, the Cowboys tallied 3 runs in the third inning, plus 5 in the fifth and a single tally in the top of the sixth as they cruised to a 10-2 lead.

A 4-run upsurge by the Ridgecrest team. was too little and too late in the last half of the seventh and final inning.

David Hawkins, who started off

team is off to an inauspicious start of the run on two hits by the Cowboys in the first Hawkins was relieved on the mound by

drove in Ray Haleman, lead-off batter, who had drawn a walk to get on base, and the

Still in the first inning of play, Kaupp ning's first two runs) to tally from third. moved to third on a ground ball hit by Dan Allen, who was safe at first when Mike Clark of Canyon dropped the throw. Kaupp then tallied on an error by a Canyon infielder, who juggled a ground ball hit by Tim Lewis and was too late in making the throw to first to get the runner.

Brothers Jay and Joe Kerschner started things off for the Cowboys in the top of the third inning. Jay singled to center field and Joe drove him in with a double to left-center.

Clark also delivered a double that enabled Joe Kerschner to score, and a ground ball down the third baseline was hit deep enough by Tony Moore for Clark to round third base and tally a run that gave the visitors a 4-2

Trailing 4-2, the roof caved in on the Burros in the top of the fifth inning, which began with two singles and a double that drove in two runs and left a runner on third



YOUTH SOCCER LEAGUE TEAMS CLASH — Sarah Griffin, a center halfback for the Strikers, cranks up to boot the ball out of her team's territory during this bit of action in the Division II Youth Soccer League contest between the Strikers and the Sting. The nearest opposing player is Andy Scott. Coming up to assist is Rodney Nutter (in center), also of the Strikers, who won the season opener for these two teams by a score of 6-0.

Burroughs High School's varsity baseball mound for Burroughs, was touched for one base with no outs.

Jon Truitt, who accidentally hit Joe Steve Kaupp, BHS first baseman, who got Zacharia, the first batter he faced. Zacharia the first of two doubles in the game for him, was picked off trying to steal second on a good throw by catcher Dan Allen, but a sacrifice fly by Larry Kobe enabled Brian Cooper (the batter who doubled in the in-

March 23, 1984

The Kerschner brothers (top of the Cowboys' batting order) then went to work. Jay drew a walk and Joe doubled to right field - driving in his brother with another

A walk issued to Mike Clark was the signal for Truitt to step down and pitching duties for the Burros were taken over by Larry Jeffries. He was promptly tagged for a double by Tony Moore that scored Joe ONE RUN WIPED OUT

Clark also appeared to have scored, but instead was called out by Rick Booth, the home plate umpire, for failing to touch the plate and the top half of the fifth ended with the Cowboys resting on a 9-2 lead.

In the sixth inning, Canyon loaded the bases on a single, a wild pitch that struck a batter, and a walk. Then, with two outs, the runner on third base scored when a pitch got away from Allen, the BHS catcher.

The Burros' last hurrah in the Canyon game came in the bottom of the seventh when a 10-2 shellacking was turned into a more respectable loss by a score of 10-6.

Haleman led off with a double to center field, and Daniel Means flied out to right field. Kaupp then drew a walk and a single by Blecha drove in Haleman.

BARKLEY DOUBLES IN TWO

Kaupp scored moments later when the play on a ground ball off the bat of Allen was made at second base to force out Blecha. A single to short center field by Lewis gave the Burros two men on base with two outs, and Steve Barkley delivered a double that drove in both Lewis and Allen Celestine, who had been put on base to run for Allen.

Darrin Clodt, put in as a pinch hitter, grounded out to end the game with the Burros on the short end of a 10-6 final score. Cary Snyder, the winning pitcher, went

the distance on the mound for Canyon. He gave up 7 hits, struck out 9 and walked 4. The Canyon Cowboys had a field day as

they battered three Burroughs pitchers for 14 hits, including 6 doubles - two each by Tony Moore and Joe Kerschner. Kaupp had a perfect day at the plate for

Burroughs. In four times at bat, he doubled twice and drew two walks. Haleman and Barkley also hit two-baggers for the Burros.

(Continued on Page 7)

China Lakers place Jeff Flower (assisted by Tim Castleberry) fifth in MDISL

A team representing the Naval Weapons Center finished in a tie for fifth place in the Mojave Desert Inter-Service League (MDISL) volleyball tournament held last weekend at Vandenberg Air Force Base near Lompoc, Calif.

volleyball tourney

The China Lakers, led by Jerry Kissick, as player-coach, got off a good start by defeating their counterparts from Fort Irwin 15-13 and 15-7.

After that, however, the NWC olleyballers were knocked out of this double elimination event as a result of losses to George Air Force Base and the host team from Vandenberg Air Force Base.

The airmen from George AFB defeated NWC 17-15 and 15-11. In a three-game match with Vandenberg, the China Lakers won the first game, 15-12, lost the second 12-9 (called due to elapsed time), and then dropped the third contest 15-10.

In addition to Kissick, other players on the NWC volleyball team were Bob Smith, Loy Vincent, Peter Love, Dick Swenson, Carl the expense of the Cosmos. Dirk Hartman Norlund, Bob Burke, Keven Switzer, Bo Arnold and Del Kellogg.

Vincent was commended by Kissick for

The Skipper sez



All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. K. A. Dickerson. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or our questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-

Military — I have a traffic safety suggestion concerning the road from the main gate going to Sandquist Road. Cars coming from the main gate don't even bother to turn on their turn signal lights. They just merge, and I almost hit them many times (five times as far as I can remember).

Is there a way you could put a traffic policeman on this intersection to avoid mishaps and catch the violators? This is true especially in the morning from 6:30

Also, does the Center still use the railroad tracks that cross Sandquist Road? Is there a way they could flatten the road out if there is no use for this track, in order to minimize repairs on tubes and tires for those riding bicycles to work, and the cost of wheel alignment for those who use their privately-owned vehicles? Thanks ANSWER

Although I understand and share your concern about the near collisions you have experienced, a police officer permanently stationed at this intersection would probably not provide a long-term solution to the problem. In fact, the officer's presence could have an adverse effect on proper traffic flow. We, as responsible drivers, must continue to stay alert for the unthinking actions of those personnel who fail to drive prudently.

I have asked Code 24 to look into the possibility of increasing the police patrols of this area during peak traffic periods. This action should promote the safety

The removal or covering of the railroad tracks is being addressed by the traffic engineer's office in Code 263 at this time. Corrective action should take place in the

Military Dependent — I would like to know how we can go about getting dental insurance through the Navy. There are too many people who cannot afford dental insurance. There is a plan on the base now, but when you leave it's no longer good, and you still have to pay the premiums. I think the Navy is a large organization, and they should be able to provide some sort of a dental insurance plan. Thank you.

About the only way I know to get such insurance through the Navy is through the political process. Laws would have to be written and the Defense budget changed. A letter to your Congressman might be a good place to start.

The Credit Union here at NWC does offer two insurance plans that are available to members. I have been informed that a person signs up, and pays premiums for a minimum of two years. Coverage is still good when a person leaves the base and anywhere in the U.S. during this two year period.

DK2 Ward is honored as PSD, China Lake, Sailor of Quarter

Disbursing Clerk Second Class Terry E. Ward has been selected as not only the Sailor of the Quarter for the first quarter of Fiscal Year 1984 for the Personnel Support Detachment (PSD) at China Lake but also as Sailor of the Quarter for the network of five PSDs under the Personnel Support Activity, Long Beach.

The letter of commendation presented to DK2 Ward by Cdr. Timothy R. McMasters. Commanding Officer of the PSA, Long Beach, commends Petty Officer Ward's thoroughness, knowledge and profes-

"You have additionally," the commendation notes, "demonstrated the willingness to

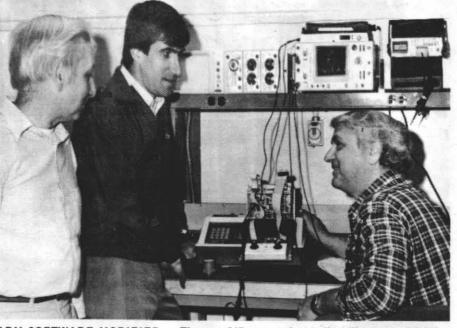
Petty Officer Ward has been in the Navy since April 1979 and has been at China Lake since August 1982. He is a native of Marion, Ohio, and a graduate of Harding High School in that community.

He, his wife, Rebecca, and daughter, Lori, 10, live in quarters on the Center. He enjoys playing tennis, bowling, and playing billiards in off-duty hours.

For being selected as Sailor of the Quarter for both the China Lake PSD and the Network Sailor of the Quarter, Petty Officer Ward received a letter of commendation for each honor, a plaque for each, and a 72-hour special liberty for each.



COMMENDATION IN ORDER — DK2 Terry Ward receives a plaque from Cdr. Timothy R. McMasters, Commanding Officer of the Personnel Support Activity, Long Beach, for being selected as both the China Lake Personnel Support Detachment Sailor of the Quarter and the Sailor of the Quarter for the network consisting of five PSDs.



HARM SOFTWARE MODIFIED — Thomas O'Donovan (seated) calibrates a PROM unit - a recent modification to the software for HARM. Shown with Donovan, who is the HARM Software Support Facility manager, as he checks out the computer systems and a PROM programming unit, are Bob Luedecke (at left), avionics systems engineer in the HARM office, and Tim Paul, of the Engineering Department's Quality Assurance

HARM software modified by addition of memory modules

The High-speed Anti-Radiation Missile Sciences Division, is the engineer in charge (HARM) provides defense suppression of this program, while John Lorch was capabilities to both Navy and Air Force responsible for the adapter designs,

The system operation changes with time and now, to adapt to changes, engineers in the Electronic Warfare Department have conceived an add-on block of Programmable Read Only Memory (PROM) to modify the system operation.

The HARM Software Support Activity is involved in programming these "Memory Modules" for the Fleet. A dozen of these modules have been completed and another 12 are scheduled for distribution to both East and West Coast units. These modules provide information that allow A-7E Corsair II aircraft equipped with the modules to carry out training missions.

The computer system is used to convert data into PROM contents and load the PROM programming equipment. After the modules are programmed, the computer does extensive comparisons to assure that the correct data are in the module.

The computer system also is used for other tasks. It was produced four years ago under the Fast Payback program.

Dietrich Trenner, a tactical software engineer in Computer and Software Systems Branch (Code 3511) of the Electronic Warfare Department's Systems

software/hardware integration, and valida-

Software used in the computer was developed originally by Tom DeMay, an employee in the Research Department's Computer Sciences Divison, and the detailed procedures used were developed by Dorothy Vokolek and Sharon Juarez, both of Code 3511. In addition, a number of other NWC employees have contributed to various aspects of the programming operation and production of the "Memory Modules."

NWC Black Interest Group. seeks additional members

Applications are being sought from those who are interested in serving as members of the Black Interest Group (BIG) on the

The goal of BIG is to support the Equal Employment Opportunity (EEO) Committee; provide community awareness of job opportunities, recruitment efforts, promotional opportunities, and available training.

Anyone interested in serving must fill out a short application form that can be obtained at the EEO office, Rm. 205, Personnel Building.

Endangered species protected . . .

(Continued from Page 1)

species can be found are also drafted. These maps are then used by personnel of the Environmental Branch to assist Center propriate test sites to meet testing requirements without unduly disturbing the environment.

Often, Ms. Kohfield notes, it's possible to run tests in areas that have already been disturbed in the past.

Completed surveys indicate that of the 15 rare or endangered species of mammals in California, only the Mojave ground squirrel can be found on NWC lands, where it is actually fairly common.

Five rare or endangered species of birds call the Center their home. These include the peregrine falcon, the bald eagle, the Inyo brown towhee, the brown pelican (spotted only once on board), and the least Bell's vireo. While no rare reptiles are found here, the biologists believe that the slender salamander, a rare amphibian, might live in some of the damper areas of the ranges.

Of the 15 species of rare or endangered fish in California, one has been transplanted to the base: the Mojave chub. To save remaining members of this endangered species, a group of them were moved to the Lark Seep Lagoon north of the golf course about 12 years ago. The chub, a fish that is about six inches long, took so well

to the area that the population has expanded into all the drainage channels on that part of

Last year a contract was awarded to made the transplant so effective. This information will not only assist in the management of on-Center chub, but also will help identify other potential refuge sites off Center. Recovery is the ultimate goal of endangered species management.

Of special interest currently are studies of the giant fairy shrimp to determine how rare that species might be, the Argus land snail, and a variety of beetles. Scientists from the other agencies or universities are conducting the field investigations and will submit reports for Center use at the end of their efforts.

Rare and endangered plants found so far include the Mojave fishhook cactus, as well as some unusual clonal creosote rings that may be from 6,000 to 10,000 years old. Both are being studied further.

A resource management plan has been written and published for the Mojave B ranges (NWC Administrative Publication 283), and another is currently being prepared for the Center's northern ranges as well. These plans detail not only endangered species management but also describe all biotic, cultural, and physical (soil, air and water) resources and their

the day. In the three-team Division IV (for 7th through 9th grade players), the Hotspurs got off on the right foot by defeating the Bandits 1-0 and edging the Lasers 2-1. Cary Cooper, assisted by John Bass, tallied the only goal for the Hotspurs in their narrow win over the Bandits, and also accounted for both of the Hotspurs' goals in their 2-1 win over the Lasers. In this second contest, Jason Black and Greg Burnes were credited with assists on the goals by Cooper. The lone goal scored by the Lasers in their

Chrinos. In the only other Div. IV tilt, the Lasers knocked off the Bandits 4-1 on the strength won the two-day handicap tournament held by Jamie Bumgardner and Bob Nelson. The single score for the Bandits was tallied by from Paul Grenier after a steal by Bill

loss to the Hotspurs was tallied by Ivan

Shaun Thyne, goalie for the Bandits, turned in a topnotch performance by making eight saves of shots at the net by the record only their best score on each hole

aplenty for boys and girls in the first Youth Soccer League. The winning goal in what was a 3-2 victory by the Tornadoes over the Diplomats was tallied in the last minute of play by Will The wind, which was a factor in some of Freeman, assisted by Marc Frisbee. This while Osburn tallied unassisted for the

> In what was a very good match for the first contest of the season, Lamont Dawson scored the Diplomats' first goal, and the contest was tied at 2-2 on a corner kick by

> Scores of other Division III games were Whitecaps 4, Rogues 2; Sounders 2, Surf 0; and Roughnecks 4, Kicks 0.

> A 3-goal effort by Armando Valdivia paced the Whitecaps to their 4-2 win over the

Doris Lalor wins Ladies Golf Club tournament

Daniel Hobson

Doris Lalor, who posted a net score of 61, of two goals by Brian Lindsey and one each last Saturday and Sunday at the China Lake golf course by the Ladies' Golf Club.

Each of the 20 participants in this event Richard Schiavone, who scored on a pass paid an entry fee of \$5, and this money was collected and donated to a local charity of the winner's choice, which turned out to be We Care of Indian Wells Valley.

Entrants in this event were allowed to during each day of the two-day tournament, A close game between the Tornadoes and and their handicap was then deducted to Diplomats highlighted action between 5th arrive at the total score for 18 holes.

Youth soccer season opens with 17-game slate A full, 17-game schedule provided action and 6th graders competing in Division III of Rogues. Mike Kinne also got in on the scoring with a single goal for the 'caps, while goals for the Rogues were tallied by

and by Tim Matson (assisted by Chad Bass). Kirk Roberts was singled out as his the early-morning games, was no problem same duo had combined their efforts to team's outstanding defensive player in the during most of the contests played later in score the Tornadoes' first goal of the game. 2-0 shutout posted by the Sounders over the

Three first-half goals, while the Roughnecks had the wind at their back, led the way to a 4-0 win by the Roughnecks over the Kicks. Matt Duncan, Joe Kitchens, Craig Hata, and Brian Perez all scored for the Roughnecks.

In Division II contests (for 3rd and 4th grade players), the Aztecs and Sockers both won their games by the identical score of 1-0 over the Lancers and Cosmos, respectively, while the Drillers edged the Blizzard 3-2. Also in this division, the Timbers and Sting shut out their opponents (the Earthquakes and Strikers) by scores of 3-0 and 6-0.

An unassisted goal by Danny Moldenhauer propelled the Aztecs to their 1-0 win over the Lancers. Chris Cox, Jonathan Rae and Steve Stecht all played well in their forward positions for the Lancers, but were unable to crack through for a score.

Jason Rainwater booted home the only goal for the Sockers in their 1-0 victory at led a strong defense for the victors.

One goal each by David Bartels (assisted by Adam Drybread) and Scott Becker weren't enough for the Blizzard team, which throughout the tourney tilts engaged in by (Continued on Page 7)

the fine job he did of hammering the ball the NWC squad.



BIG DAY FOR KIDS - Members of the YMCA Indian Guides and Indian Maidens had the opportunity to show off their bike riding skills recently at a bicycle gymkhana held at Schoeffel Field, with the assistance of parents, Ridgecrest police officers (who registered bikes), and personnel from the China Lake Fire Division (who stood by to rovide first aid if needed). In the upper picture, young Lynette Escallier gets gentle care for a scrape from Emergency Medical Technicians John Gardner and Roger epley. In the bottom picture Jesse Beitness impletes one of the six skill tests for these youngsters who ranged from kindergarten through third grade. The gymkhana was sponsored by the Safety Program Office in Code 2405. — Photo by PHAN Rebecca Gill

GED test to be given at Cerro Coso Tues., Wed.

The General Educational Development (GED) test for non high school graduates will be given at Cerro Coso Community College on Tuesday and Wednesday, March 27 and 28, from 1 to 5 p.m.

For reservations or additional information, those interested should contact the college counseling center by calling 375-

Class on personnel policies, procedures for supervisors will commence April 13

Enrollment applications are now being taken for a course on personnel policies and procedures for supervisors that will be held on Fridays from April 13 through May 18 at the Training Center.

The course, which is scheduled from 7:45 to 11:30 a.m., is intended to provide those formation on the NWC personnel system, and will be taught by members of the Personnel Department staff.

The role of the supervisor and the role of the Personnel Department will be covered during the initial class session. Other subjects, and the dates they will be discussed,

What to look for in hiring a new employee and how to conduct interviews, on April 20; 30.

equal employment opportunity as part of personnel management, April 27; developing and training employees (writing performance plans, and reviewing and assessing performance), May 4; how to deal with employee performance and behavior problems, May 11; and labor relations, new to the ranks of supervisor with basic in-

the Privacy Act, May 18. This is a required course for new supervisors, but it also is open to experienced Laboratory. supervisors. In order to receive training credit, enrollees must attend at least five

Supervisors interested in attending this course must submit a request for on-Center training via department channels in time for it to be received by Code 094 by March

All personnel asked for inputs to NWC Training Plan for FY 85

keeping the Center's personnel abreast of accompanying the form to be filled out by the rapid changes in technology and in employees are self-study courses. Some of enhancing interpersonal and managerial these are correspondence courses that the skills, each NWC employee is asked every year to provide inputs to the Center's Annual Training Plan.

As Burrell Hays, NWC Technical Director, has noted, "Individuals really do make the difference, and enhancing their skills directly benefits the Navy."

During the first week of April all Center personnel will receive a listing of many more timely and more available to courses that could be offered next fiscal year if sufficient interest is shown. Employees will be asked to indicate the courses PLATO, the Apple computers and micro they will need to take during the next year to computers at their convenience (evenings enhance their skills, or to obtain new skills. and weekends) and at their own rate of They will also be given an opportunity to speed rather than having to wait until a indicate new courses, not listed, that they class is offered. The student can also focus feel should be offered.

At the time of their performance reviews (in April for the personnel in the Demonstration Project, and May for those who are not), employees and their supervisors will discuss their training needs in the light of their career development.

The completed forms will then be turned in to division and department levels and summarized before being returned to Code 094 to use in developing the FY-85 Training

This year Code 094 has been expanding ADP training in order to meet the 01A6 longrange corporate goal of "a terminal on every desk." As a result, employees will see many, many computer related courses (some generic, some vendor specific) on the Annual Training Plan shopping list for FY-

Code 094 has also been developing new courses to help supervisors respond to the fact that there is more diversity in the make-up of the workforce. There are more minorities, women, handicapped, younger and older workers than ever before. Supervisors will need to enhance some skills they already have and will need some new skills in dealing with the changing values of this diverse workforce.

Code 094 has been emphasizing supervisory skills courses in areas of change management, situational leadership, negotiation skills, and strategic planning to name a few. A comprehensive list of supervisory and management courses is included on the Annual Training Plan input

Another major change this year is that

Since training plays such a vital role in many of the courses listed in the material employee can complete at home, some are computer-assisted courses taught using Code 094's PLATO System (Computer Assisted Instruction), some are taught on microcomputers such as the Apple, and other are video courses than can be checked

> The self-study courses make training everyone, because individuals can use the facilities in the Training Center such as just on the most needed material.

> During fiscal year 1983 — the last year for which complete information is available -3,486 persons on board took advantage of training, of which 80 percent took place on-Center. The average employee spent 40.3 hours of government time on training, and an additional 4.5 hours of personal time. Total cost of training (including tuition. student salaries and travel costs) was \$4,965,253, amounting to about 1.3 percent of the Center's annual budget.

IRS permits rounding off cents to nearest dollar

WASHINGTON (NES) ... Taxpayers may round off cents to the nearest dollar when figuring their federal income taxes, the Internal Revenue Service said.

But if a taxpayer rounds off items to the nearest dollar, all amounts must be rounded off. Amounts under 50 cents should be dropped and amounts from 50 cents to 99 cents should be increased to the next highest dollar. For example, \$1.39 becomes \$1 and \$2.69 becomes \$3.

One advantage to rounding off is that taxpayers are likely to make fewer errors in math because they will have fewer figures to deal with and compute.

Police reports . . .

On Thursday, March 15, a green flight jacket was reported missing from the Search and Rescue building. Estimated value of the jacket is \$85.

Registration deadline nears for **Congressional Operation Seminar**

to employees of the Naval Weapons Center, Senate Assistant Majority Leader, a will be held on April 17 and 18 in the member of the Government Affairs Com-Management Center of

The seminar, which is scheduled from 8 a.m. to 4:30 p.m. on April 17, and from 8 to 11:30 a.m. on April 18, will be conducted by Wayne Schley, Stephen Sanders and Phillip

Schley is the staff director for Sen. Ted Stevens (R-Alaska). The latter is a member of the Subcommittee on Civil Service Post

A Congressional Operation Seminar, open Office and General Services. He is also the mittee, Chairman of the Subcommittee or Civil Service, a member of the Senate Appropriations Committee, and Chairman of the Subcommittee on Defense Ap-

The other seminar leaders - Sanders and Sprankle — are head of the NWC Technical Information Department, and head of the Electronic Warfare Department's Systems Sciences Division, respectively.

Sprankle's experience includes selection as a LEGIS Fellow for a six-month period (Dec. 1, 1981, to June 1982) during which he was assigned to the office of Congressman Kenneth Robinson, a member of the Defense Appropriations Subcommittee from Virginia. Later, Sprankle was assigned to work with professional staff of the Defense Subcommittee on Appropriations.

Topics to be covered are what members of Congress do, the legislative process, role of the Congressional staff, the Budget Act and the budget reconciliation process, Civil Service legislation, and the FY 1985 budget.

Employees interested in attending this seminar must submit a training request form via department channels in time for it to reach Code 094 by March 30.

Branch Medical Clinic reserve unit completes 2 wks. ACDUTRA

Branch Clinic China Lake Reserve Unit 119.

organized on Oct. 1, 1983, and is composed of reservists living and working in Bakersfield, as well as in the China Lake-Ridgecrest area.

This has been the first mobilization drill for Branch Clinic China Lake Reserve Unit 119, whose mission it is to prepare for taking over the Branch Medical Clinic at China Lake in the event of wartime or a national emergency that would require the service elsewhere of active duty Navy medical personnel assigned here.

This new Naval Reserve unit is headed by Cdr. Elsa Ang, USNR-R, as officer-incharge. In civilian life she is a pathologist at the Kern Medical Center in Bakersfield.

The unit's only other commissioned officer at the present time is LCdr. David Massa, USNR-R, a medical doctor in Bakersfield, who joined Cdr. Ang seeing patients at the Branch Medical Clinic during their Naval Reserve two weeks of AC-

Other Bakersfield members of Reserve Unit 119 are HMS Jack Cavin, USNR-R, executive officer, who is an insurance agent and real estate investor; and HM2 Michelle Burnham, USNR-R, an X-ray technician employed by a private doctor in Taft. Local residents who have joined Branch

Clinic China Lake Reserve Unit 119 are HM1 Mike Halvorsen, USNR-R, an employee at the Ridgecrest Community Hospital, who is

Two weeks of active duty for training the unit's master-at-arms and alcohol (ACDUTRA) ends today for the personnel of rehabilitation counselor; HM2 Michael Paterson, USNR-R, a California Highway A new Naval Reserve unit, it was Patrolman assigned to the Ridgecrest area; HM3 Millard Montgomery, USNR-R, an



HMC Jack Cavin, USNR-R, Reserve Unit exec officer

Engineering Department's Systems Electronics Branch; and HM3 Mark Carrillo, USNR-R, an employee in the Inspection Branch of the Public Works Department's Maintenance Control

While on their two weeks of active duty for training, HM2 Burnham worked in the Xray lab at the Branch Medical Clinic; HM2 Paterson was assigned to the emergency



CHEST X-RAYS READY FOR REVIEW - HM3 Michelle Burnham, USNR-R, who is employed as an X-ray technician by a private doctor in Taft, fits right into this phase of the service provided by her Naval Reserve unit during two weeks of active duty for train-- Photo by Clare Grounds

electronics technician in the NWC

PHYSICAL EXAM — ADI Mark Bauer, who has just reported for duty at the Naval Weapons Center, gets a routine physical examination as part of the check-in procedure. The physical exam included a blood pressure check taken by HM2 Michael Paterson, - Photo by Clare Grounds

room: and HM3 Carrillo assisted with Center for those who live and work here. patient care and physical exams.

HM2 Paterson took advantage of the opportunity presented by this two-week period of active duty for training to share knowledge in cardio-pulmonary resuscitation (CPR) that he has picked up as a California Highway Patrol officer. He conducted a CPR class that resulted in certification in this life-saving procedure for all members of Branch Clinic China Lake Reserve Unit 119.

Helping out as the visiting Naval Reserve unit's administrative officer and veoman has been YN2 Sam J. Miller, USNR-R, a member of Reserve Mobile Construction Battalion's Detachment 0217 at China Lake. YN2 Miller is employed in the Planning Branch of the Public Works Department's Engineering Division.

Two other members of the Branch Clinic China Lake Reserve Unit 119 who were unable to participate in the group's first period of active duty for training are HM2 Kenneth Ballard, USNR-R, a student enrolled in nursing and biology classes at Cal-State Bakerfield; and HM2 Kelly Clark, USNR-R, who is employed fulltime in the pharmacy at the China Lake Branch

Monthly drill sessions for this new Naval Reserve are held at the Naval Reserve Training Center in Bakersfield for those who live and work in that area, and the Seabee Reserve hut on the Naval Weapons

Once each quarter, all hands join for a combined weekend drill at the China Lake Branch Medical Clinic.



Cdr. Elsa Ang, USNR-R, Reserve Unit O-in-C

Approval given for Electronic Assembly Productivity Center . . .

(Continued from Page 1)

materials, and processes for the military and military contractors.

The Research Section of the Electronic Assembly Productivity and Manufacturing Research Center will continue to function as the Navy's lead laboratory in the research and development of soldering and electronic component manufacturing. Attention will be focussed on materials and processes such as printed circuit boards, fluxes, solders, cleaning and cleanliness testing, conformal coating and solder masks.

The decision to acquire an existing building in Ridgecrest to house the Elecpossible time rather than wait for the approval of new construction at NWC, which would delay the inauguration of this program by approximately three years.

The Productivity Center will not be a facility for prototype development by equipment manufacturers. Instead, selected American-manufactured equipment will be brought here for evaluation.

When such equipment arrives at the

Productivity Center, technicians will aid assembly manufacturing plan that includes factory representatives in the physical design and packaging concepts, as well as visual inspection. start-up and initial operation of equipment undergoing evaluation.

The main question in evaluating a piece of equipment will be to determine its ability to produce quality hardware (as defined by DoD Standard 2000), whether or not parameters can be set within required tolerances, and if a defect-free assembly can be produced.

Following the in-house evaluation, the equipment will be available for evaluation, demonstration and test by Navy contractors. Those who have production line probtronic Assembly Productivity and Manufac- lems will be able to submit a proposed turing Research Center is based on the evaluation plan for their specific need, and desire to begin operations at the earliest the Electronic Industries Association will be asked to assist in the development of a standard agreement between the Navy and the visiting contractor.

> To help the Electronic Assembly Productivity and Manufacturing Research Center them. fulfill its role as an evaluation and demonstration facility, it will be necessary for all Navy program managers and pro- frared detector inspection system that posed Navy contractors to provide the makes it possible to perform a non-

installation and hook-up, as well as the the types of equipment to be utilized by the contractor on his production line.

Personnel at the Productivity Center then will aid in the selection of equipment that is best suited to the design of a weapons system. This equipment will be suggested with manufacturing production level fluc-

Quarterly reports and end-of-project demonstration reports will be put in a technology file at the Productivity Center and key-worded for recall. These reports will be available for use by any program that is in need of a particular type of equip-

Additionally, seminars on soldering technology and allied subjects will be arranged periodically addressing specific technical areas for the purpose of informing middle and upper management regarding how the Productivity Center can benefit

In the area of productivity, there is now available for use an automatic laser/in-Productivity Center with an electronic destructive test on each solder joint with systems.

This system can inspect a typical printed wiring board in one minute — a tremendous savings in time and cost when compared to 30 minutes for a visual inspection. In addi-

tion, the system collects and stores defect

greater speed and confidence than that by

data for quality assurance purposes. Bringing equipment of this type on line earlier by providing the process parameters and controls that are required prior to its use is another of the goals of the Productivity Center, which has as its ultimate purpose providing better quality hardware to the

Fleet. Manpower at the Electronic Assembly Productivity and Manufacturing Research Center will include both Civil Service and contractor support personnel. Civil Service personnel will make up the Productivity Center management staff, handle research and development, and be involved in advanced manufacturing activities.

The various work areas to be covered are production materials control, operatorassisted equipment, solder machines, inspection equipment, manual operations, semi-automated operations, and cleaning





