



CHECK PRESENTED — Betty Blackmon (l.), scheduler for the Thrift Shop, and Shirley Hollandsworth (r.), Thrift Shop treasurer, have the happy task of giving a check for \$2,385 to the Navy Relief Society. It was accepted by Diane Shepherd, an interviewer for the NRS. — Photo by Don Cornelius

Spring Festival underway this weekend at local fairgrounds

The gates at the Desert Empire Fairgrounds in Ridgecrest will open this afternoon at 5 o'clock for the final three days of the Knights of Columbus-sponsored Spring Festival.

Activity on the carnival midway, the outdoor stage, and in the exhibit buildings will continue until midnight tonight and be resumed at 12 noon on both Saturday and Sunday.

General admission to the Spring Festival on this pre-Memorial Day weekend is 50 cents, except for senior citizens, military personnel and children under 12 years of age, who will be admitted for 25 cents each. Handicapped persons who are ambulatory will be admitted free of charge.

In addition to carnival rides and other attractions brought here by the B&B Amusement Corp. of Rialto, those flocking to the Spring Festival will find a wide variety of merchandise and special displays in the sold-out exhibit buildings at the fairgrounds.

Major attraction of the free outdoor entertainment on the stage near Joshua Hall from now through Sunday night will be four performances of "Yankee Doodle Boy," a musical review of the works of George M. Cohan.

This musical will be presented tonight at 8 o'clock; on Saturday at 7 and 9 p.m., and for the final time here at 8 p.m. Sunday.

This evening's special entertainment on stage at the fairgrounds will begin at 6 o'clock with highlights of past musicals presented by the Community Light Opera and Theater Association, and be concluded

CLOTA sets dates to try out for roles in summer production

Tryouts will be held next week for the Community Light Opera and Theater Association production of "Brigadoon." All tryouts will be held at Burroughs High School, beginning at 6:30 p.m.

Dance tryouts will be held in the multiuse room on Tuesday evening, vocal tryouts on Wednesday in the same room, and those who wish to read for roles may do so Thursday in Room FO-2. Actors must also be able to learn and perform a simple dance routine and to sing a solo, and should bring their own music if the solo is not from "Brigadoon."

There are ten male and five female parts, with three roles being non-singing. A chorus of 12 to 20 is also being sought.

Rehearsals for the late-July and early August production will run four nights each week. The play is directed by Sherry Parker, assisted by Gloria Knutsen. Rhonda Knutsen is choreographer.

at 10 o'clock with a session of rock and roll music by "Rekless," a local band that is growing in popularity.

Dual performances (at 7 and 9 o'clock) of "Yankee Doodle Boy" comprise the special entertainment on stage Saturday night, and the midway stage will be the setting on Sunday at 6 p.m. for a Christian rock music band that goes by the name of "Any Minute Rapture," prior to the final presentation at 8 o'clock of "Yankee Doodle Boy."

No one need go hungry or thirsty while attending the Spring Festival and enjoying its many attractions. There will be nearly a dozen local clubs and organizations that will offer a wide variety of foods and drinks for sale with the proceeds going to support both service and charitable activities in the community.

Hamburgers, hot dogs, chili-burritos, corn on the cob, fried chicken and pizza pie are a sampling of the types of food to be sold by local groups, in addition to that which the carnival itself will be offering for sale.

To help cool off, there will be ice cream, soft drinks, beer and wine coolers.

Rec. facilities open on holiday

The following hours of operation will be observed by business and recreational facilities of the Naval Weapons Center during the Memorial Day holiday on Monday.

Facility	Hours
Bowling Alley	11 a.m. to 11 p.m.
Bowling Alley Snack Bar	1 p.m. to 11 p.m.
Youth Center-Skating Rink	1 p.m. to 5:30 p.m.
Center Theater	box office opens 6:30 p.m.
Gymnasium	11 a.m. to 6:30 p.m.
Indoor Pool	11 a.m. to 1 p.m. (lap swimming) 1 p.m. to 6 p.m.
COMO, CPO, EMO Pools	11 p.m. to 6 p.m.
Golf Course	7:30 a.m. to 6 p.m.
Golf Course Snack Bar	7 a.m. to 5 p.m.
NEX Mini Mart	10 a.m. to 3 p.m.



Weekend Roundup

Only the swimming pool at the Chief Petty Officers' Club will be open all three days this holiday weekend, but the game room and bar also will be open tomorrow from 11 a.m. until 11 p.m.

Parents Without Partners have planned a picnic and potluck, another family activity, at Ridgecrest city park on Sunday. Gathering time is 11:30 a.m. Bring a favorite potluck dish and meat for the barbecue. Activities will include a number of games for young and old alike.

More than 40,000 people are heading up to Bishop for Mule Days this weekend. Activities begin tonight with a dance at 9 o'clock.

Tomorrow's Mule Days celebration starts with a parade at 10:30 a.m., followed by a mule show and barbecue at the fairgrounds. Various mule activities will also occupy all day Sunday. Anyone who becomes entranced by the critters can stick around until Monday morning, when a mule and horse sale at 10 a.m. completes the weekend schedule.

Thrift Shop profits benefit NRS, wide range of community groups

The patrons of the Thrift Shop operated by the Women's Auxiliary of the Commissioned Officer's Mess aren't the only ones who benefit from it. Many community organizations are aided as well.

Half of the profits from the Thrift Shop support the Navy Relief Society, the other half of the funds is allocated to the United Way of the Indian Wells Valley in the fall, and in the spring a number of community groups are singled out to receive a share of the money.

Last week Shirley Hollandsworth, Thrift Shop treasurer, and Betty Blackmon, scheduler for the Thrift Shop, presented checks to representatives of the various recipient groups.

A check for \$2,385 was given to Diane Shepherd, who represented the Navy Relief Society. NRS serves all active duty and retired Navy and Marine Corps personnel and their dependents.

The other \$2,385 was split among 15 groups. The organizations and the amount they received, include:

High Desert Junior Woman's Club, \$250 for the children's car seat program; Desert Counseling Clinic \$100 for the tutoring program and \$100 for Problem Pregnancy Assistance; Oasis Garden Club, \$50 for chairs; Happy Times Senior Citizens, \$200

for the piano fund; Burroughs High School, \$100 for band uniforms; and IWV Association for Retarded Citizens, \$200 for Sunshine House.

Other groups benefitting were Sierra Sands Music Parents Club, \$100; Community Light Opera and Theater Association, \$135; We Care, \$300; Women's Center — High Desert, \$100; IWV Search and Rescue, \$250; Richmond School Special Education, \$100; WACOM baby sitting fund, \$200; Maturango Museum, \$100; and NWC Sea Cadets, \$100.

Registration forms available for band student summer camp

An Indian Wells Valley music camp for all band students grades 7 through 12 will be held from June 14 through 18 at Burroughs High School. Registration forms for the camp were given out at all band classes, but any student who did not receive such a form (or any student who is taking private lessons, is not in a band, but would like to attend) may pick up a copy at the Music Man, 131 N. Balsam St., Ridgecrest. Virginia Cain, whose telephone is 375-2741 and who lives at 1468 Forest Knoll in Ridgecrest, also has extra forms for those who need them.

The camp will be conducted by Harold Warman, band director at San Diego State University. Assisting him as section coaches will be students who are members of that college band.

Planners of pool parties need to get together with Debby Abbarno at the Center gymnasium as soon as they have decided when they would like to hold their party.

When they apply for pool rental of any of the club pools or the indoor pool at the gym, they must be prepared to pay the fee at that time in order to confirm their use of the pool. This fee includes the cost of the Recreational Services Department lifeguards, who must be on duty at all times when an NWC pool is used.

Pool party planners asked to check at gym to set up dates

Fee for use of the indoor pool is \$10 per hour, including one lifeguard. For the club pools, charges are \$10 for rental of the facility (which includes the time of one lifeguard for the first hour of the rental), plus \$5 per guard per hour thereafter.

If the pools are not reserved at least five working days in advance of the pool party, overtime rates will be charged for the time of the lifeguards.

Groups that wish to have their parties catered can make separate arrangements with the manager of whichever club's pool is being used.

Self-help office closed on this holiday weekend

Tenants in Navy housing who plan to do work around their yards or homes this weekend will have to get what they need from the self-help office today.

Self-help will be closed both on the weekend and Monday so that those who work there will be able to have a day off.

Major subcontractors to Texas Instruments include Thiokol, Brigham City, Utah, for the rocket motor; Motorola, Scottsdale, Ariz., for the target detecting device, AT1 Industries, Escondido, Calif., for the warhead; and Raymond Engineering, Middletown, Conn., for the fuze.

The documentation package consists of 1,266 drawings (more than 4,000 sheets) and 100 specifications specifying in detail each part of the missile and avionics systems. These drawings were prepared under the technical supervision of Sherrie A. Caffee, HARM Data Configuration Manager. The drawings cover items developed by both the government and Texas Instruments.

Work on HARM is coordinated and controlled by the HARM Technical Management Office in the Electronic Warfare Department, headed by Hans D. Pieper, with many other organizations at NWC sharing in its development.

The Ordnance Systems Department, for instance, has been responsible for both the rocket motor and the warhead on the missile, and Fuze and Sensors Department for appropriately, the fuze and the target detecting device.

Product Assurance and Configuration Management has been the responsibility of the Engineering Department. The Test and Evaluation Directorate has had prime responsibility for testing and evaluations, (Continued on Page 4)

U.S. Government Printing Office: 1982 — No. 1026

From: _____

To: _____

PLACE STAMP HERE



NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA

Wind turbine generator will be set up soon

The first NWC wind turbine generator (WTG) has arrived and will soon be installed in the Public Works Department compound so it can be checked out before being moved to its final site at Pinon Point.

The WTG, an anemometer to register wind data (velocity, direction, duration, etc.), and all the materials needed to mount the equipment have been provided by the Naval Civil Engineering Laboratory, Port Hueneme. Funds for erecting and operating the generator will also be supplied by NCEL — all that needs to be supplied locally is the wind.

Checkout at the Public Works installation includes functional tests, electromagnetic interference tests, and determining the best way to erect the WTG.

Later this year when the preliminary tests are completed, the WTG will be moved to its final site on a 55-foot tower at remote Pinon Point.

Wind energy systems need an average wind speed greater than 10 miles per hour to be practical. Winds on the floor of the Indian Wells Valley average to 7 to 8 miles per hour (despite the feelings of residents that the wind howls most of the year).

Average wind velocity at Pinon Point, however, is 18 miles per hour, with gusts of over 100 miles per hour often recorded. The WTG will shut down automatically when wind velocity exceeds 60 miles per hour.

This WTG is rated 9 kilowatts. Power will be stored in batteries at the site, and will be used to power an instrumentation trailer.

Milestone reached in HARM weapon system

HARM (High Speed Antiradiation Missile) weapons system recently achieved a major milestone: Commodore Robert Shumaker, HARM program manager from the Naval Air Systems Command (PMA 242) in Washington, D.C., visited the Naval Weapons Center and signed the top-level drawings. These drawings are now under formal government change control.

HARM is an advanced, high-velocity air-launched antiradiation missile system, intended to succeed the Shrike and the Standard ARM. The system detects emitting radar sources and renders them ineffective, which means that these radars would be unable to direct hostile fire on U.S. aircraft or missiles.

Texas Instruments is the prime weapons system integration contractor, but a second source for competition is now being sought. The initial production contract is underway, long lead procurements authorized on a second contract, and a third contract is under negotiation.

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OUTSTANDING EFFORT RECOGNIZED — Three Naval Weapons Center employees were highly honored during a luncheon held last Friday at the COM during which it was announced that they were the latest recipients of the L.T.E. Thompson Award and the William B. McLean Award. The award recipients — Dr. Carl Austin, Robert A. Vargus and Jon Matsuo — are shown with their equally pleased department heads. They are (l.-r.) Capt. J. L. Horacek, head of the Public Works Dept., and Dr. Austin; Charles May, acting head of the Electronic Warfare Dept., and Vargus; and Matsuo with Curtis Bryan, head of the Parachute Systems Dept.

Thompson, McLean Awards presented to 3 of NWC's outstanding employees

Three of the Naval Weapons Center's outstanding employees were honored at a luncheon held last Friday during which the L. T. E. Thompson Award (the Center's highest recognition for outstanding individual achievement) and the William B. McLean Award (which recognizes exceptional creativity) were presented.

The Thompson Awards were presented by Capt. Lahr to Robert A. Vargus, systems

engineer in the Plans and Requirements Office of the Electronic Warfare Department's Electronic Warfare Threat Environment Simulation (EWTES) Division; and to Dr. Carl Austin, head of the Geothermal Utilization Division in the Public Works Department.

The lone recipient of the McLean Award, which was presented by B. W. Hays, who (starting today) is the NWC Technical

Director, went to John T. Matsuo, head of the Exploratory Development Section in the Parachute Systems Department's Parachute Design Division.

To date, 67 employees have received the Thompson Award, which was established in 1956 to pay tribute to the Center's first Technical Director. The success achieved by the Center in the field of ordnance has been in great part due to the initial guidance of the late Dr. Thompson and to his skill in integrating military and civilian personnel into an enthusiastic, effective group.

The Thompson Award consists of a certificate and a medal that is cast in the likeness of Dr. Thompson. The medal is inscribed with the recipient's name and the words: "In recognition of outstanding contributions to the advancement of ordnance."

BASIS FOR AWARD TO VARGUS

Vargus was recognized for his outstanding systems engineering contributions to the development, production, and deployment of Shrike (an air-to-ground passive antiradiation missile); as systems engineer on the HARM (Highspeed Antiradiation Missile) weapons system during design, concept development, and feasibility demonstration; and as systems consultant for EWTES facility in development of planning documents, design documentation and test methodologies, and establishment of reliability tracking and control systems for failure reporting and analysis.

In connection with his work on Shrike (from 1960-70) Vargus made significant state-of-the-art advances in the design of broadband direction finding antennas and processors, signal sorting techniques, and receiver and display techniques.

Due largely to the contributions by Vargus, the Shrike Target Identification and Acquisition System was enthusiastically received by the Fleet, and proved itself to be a highly capable and reliable system.

From 1970-76, Vargus was the systems engineer on the HARM Weapon System. He developed the overall system specification (as well as the individual avionics and missile specifications), initiated the design approaches for the missile and avionics, and conducted tradeoff studies that led to a

(Continued on Page 5)



MAJOR MILESTONE — Hans D. Pieper, head of the HARM/Standard ARM Technical Management Office, and Commodore Robert Shumaker, PMA-242, sign the HARM drawing package. With this authentication, the missile moves into production. — Photo by Don Cornelius



MEMORIAL DAY

31 MAY

Message from Sec/Def

There are certain times when the links between our past, present and future warrant recognition and clear focus. Memorial Day is such an occasion, a time set aside to bring brightly colored flowers and flags to the gravesides of our nation's honored dead.

A day when the bugler's taps echo across our cities and towns and lonely country cemeteries. A day when we are all reminded that freedom is not bought cheaply. A time when we acknowledge the awesome price that a nation must be prepared to pay if it wishes to remain free.

On this as other Memorial Days, we pause to honor those men and women in uniform who have given their lives so that we may enjoy and sustain that precious light of liberty. The link that this day has with tomorrow is our solemn pledge to future generations of Americans — that we too are ready to pay that price in defense of that cherished legacy. We owe tomorrow's Americans nothing less.

Caspar Weinberger
Secretary of Defense

Local observance of Memorial Day slated Monday at cemetery

Memorial Day, which will be celebrated on Monday and is a holiday for most Civil Service employees and military personnel at the Naval Weapons Center, will be observed locally by a patriotic program that will begin at 10 a.m. at the Desert Memorial Park Cemetery in Ridgecrest.

The principal speaker will be Neal Webb, vice-mayor of the City of Ridgecrest. An ex-naval aviator, Webb retired as a commander after 29 years of active and reserve duty in the Navy.

The program will begin with the presentation of the American flag by a color guard from the Desert Suns, a local youth group, and by representatives of local veterans' and fraternal organizations, who will present both their organizational banner and an American flag.

A welcome will be extended by Harold Platzek, the navigator of VFW Ship 4084 in Ridgecrest, who is the master of ceremonies, and the invocation will be delivered by Fred Shaughnessy, of American Legion Post 684.

The opening portion of this patriotic program also will include the pledge of allegiance to the flag and the singing of the national anthem by a chorus from the Indian Wells Valley Chapter of the Society for the Preservation and Encouragement of Barbershop Quartet Singing in America.

In addition, the NWC military band, led by Lt. David Feldman, will play "Anchors Aweigh" and the Marine hymn, as a prelude to the address by Webb.

A feature each year of the Memorial Day

program is a wreath-laying ceremony led by a representative of the Gold Star Mothers and joined in by members of veterans' and fraternal groups from throughout the Indian Wells Valley. Girls who are members of the 4-H Club will escort the wreath bearers as they join in this symbolic act of paying homage to the nation's war dead.

The observance of Memorial Day will be concluded with a benediction given by Shaughnessy; playing of the "Battle Hymn of the Republic" by the NWC Military Band; a volley of rifle fire by a firing squad composed of members of the NWC Sidewinder drill team; and the playing of "Taps."

At the conclusion of the program, a luncheon will be served at the American Legion Hall, 641 Inyokern Rd., Ridgecrest. Those who can show by presenting a copy of the printed program that they have attended the Memorial Day observance, or are in military uniform, will be admitted free of charge.

The 1982 observance of Memorial Day is being arranged by the Indian Wells Valley Veterans' Coordinating Council.

Metal Trades Council

The next meeting of the Indian Wells Valley Metal Trades Council will be held on Thursday, June 3, starting at 4:30 p.m. at 520 E. Inyokern Rd., China Lake.

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

Promotional opportunities

Applications (Standard Form 171) should be put in the drop box at the Reception Desk of the Personnel Dept., 505 Blandy. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current permanent NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the advertisement. Positions in the Promotional Opportunities column are filled through Merit Promotion 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 X-118; those for all wage system positions are those defined in OPM Handbook X-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of an SF-171; at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

Announcement No. 33-018, Supv. Electronics Engineer, DP-855-3, PAC 8233586, Code 33352 — This position is located in the Engineering Section, Long Range Missile Fuze Branch, Fuze Systems Division of the Fuze and Sensors Department. The incumbent will serve as the head of the Engineering Section, and will be responsible for the supervision of five employees. The incumbent is responsible for planning, coordinating, and implementing the transition of target detecting devices from the engineering development stage into the production phase with continuous engineering support for production and Fleet use; will participate in the development process to assure a smooth transition into production. This effort involves design and procurement of development production test equipment, procurement activities for contractor support from the development through production phase of the TDD, monitoring the fabrication, test, and acceptance of fuze systems for both development and production contracts, and liaison with other civilian and Government agencies. **Job Relevant Criteria:** Knowledge of electronic engineering; ability to supervise an organized group of level II, and III associates responsible for specific assignments and the ability to plan, schedule, coordinate and conduct technical work as part of a major project. The ability to effectively communicate both orally and in writing. Demonstrated support of the Center's EEO program.

Announcement No. 3437, Secretary (Typing), GS-318-3, PD No. 813604N, Code 3404 — This position is located in the Integrated Logistics Support Branch, Fleet Engineering Division, Engineering Department. Incumbent performs normal secretarial duties for the branch head. Such duties include typing of letters, memoranda, travel orders, travel itineraries, purchase orders, etc.; receiving and directing visitors and incoming telephone calls; preparation of timecards; and arranging travel. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to review, control, screen and distribute mail; ability to review outgoing correspondence; ability to compose correspondence and/or prepare non-technical reports; knowledge of filing systems; ability to maintain and coordinate supervisor's calendar and arrange conferences. Incumbent must be a qualified typist. Secretary supplemental form required. Pick one up at receptionist desk of the Personnel Bldg.

Announcement No. 3441, Secretary (Typing), GS-318-5, PD No. 813604N, Code 3404 — This position is located in the Sidewinder Program Office, Engineering Department. The incumbent will provide administrative, typing and clerical support to program office personnel. The incumbent's responsibilities will include developing office procedures; assistance in guidance to clerical typist; contract typing and contract mail/file clerk; maintaining presentation and viewpoint files; and acting as CCP for the program office. Other duties may include scheduling and arranging conferences, making travel arrangements, preparing non-technical correspondence, answering phones, and maintaining office supplies. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; thorough knowledge of the Mag Card II typewriter (demonstrated ability will be required); ability to compose correspondence, prepare non-technical reports; knowledge of grammar; knowledge of DoD, NAVAIR, and NAVWPN/CEN instructions applicable to the position; ability to communicate clearly and effectively, both orally and in writing; and ability to work as a member of a team, and to work well with personnel from the military, civilian and contractor community. Frequent and often unplanned travel may be required. Supplemental Qualification Statement required along with the complete SF-171. Supplemental Statement is available in Rm 100, Personnel Building.

Announcement No. 3440, Machinist, WG-341-08, JD 637N, Code 3445 — This position is located in the NAF Model Shop Branch, Engineering, Prototype Division, Engineering Department. This is a training program based on the employee's previous experience, training and skill. The incumbent will operate machine tools including lathes, milling machines, saws, drill presses, and grinding machines. Machines and grinds metals, metal alloys and nonmetallic parts; makes minor adjustments and set-up including securing work piece in chuck, faceplate, and mill table. Checks own work using tools common to the machinist trade and performs general bench work using hand tools. **Job Relevant Criteria:** Ability to set-up and operate machine tools; ability to use hand and power tools; ability to check own work; ability to follow instructions in the form of shop orders, blueprints, sketches and verbal instructions. Supplemental Qualification Statement is required and may be picked up in the Personnel Office, 505 Blandy, Rm. 100, receptionist desk.

Announcement No. 3439, Supervisory Interdisciplinary General/Electronics/Mechanical Engineer (DP 801/855/830-4), PAC No. 823667E50 — This position is located in the Sidewinder Program Office, Engineering Department. The incumbent will serve as the Deputy Sidewinder Program Manager for product design and engineering support, and is responsible for management and technical direction of all Sidewinder production efforts. The duties include: technical direction to project engineers and support costs to maintain/improve performance and/or reduce cost of missile components previously released for production/final resolution of all technical production issues; coordination of production budget with on-center codes and off-center facilities; interface with other Navy and Air Force activities and contractors on production and/or Fleet related issues; initiate status reports for NAVAIR and NAVWPN/CEN; manage NAVWPN/CEN participation in an European consortium co-production and Japanese licensed production efforts; supervise all production project managers in Code 3604; and assume the duties of the program manager, as assigned, in his absence. **Job Relevant Criteria:** Knowledge of all phases of the System Acquisition Cycle; knowledge of weapons systems production including production engineering, configuration control, data management and product assurance; knowledge of Fleet support activities including ILS; knowledge of funding types, i.e., RDT&E, WPN, C&W, FMS, and NIF; ability to work well with people at all levels; ability to organize, schedule, budget, plan and follow through on required effort; and ability to effectively communicate both orally before an audience and in writing. Knowledge and ability to perform supervisory duties as required by the Demonstration Project.

Announcement No. 3436, Supervisory General Engineer, DP-801-4, PAC 803440E49, Code 3404 — This position is located in the Harpoon Program Office of the Engineering Department. The program office, composed of an engineering/management team, requires the support of approximately 78 NWC personnel, manages various types of contracts, and provides technical and engineering support to contracts let by NAVAIR involving both the Navy and foreign buyers. This position will serve as the Harpoon Technical Manager for the Center. The incumbent has overall program and technical direction responsibility for the NWC Harpoon Program. This includes such areas as: engineering design and development; production engineering, test and evaluation; product assurance, safety, integrated logistics support; product improvement; foreign military sales, support, and technical documentation for the guidance section, sustainer, launch equipment test sets, packaging (service containers), training and special equipment and tools. **Job Relevant Criteria:** Ability to provide technical and managerial direction and coordination of a major complex weapon system; ability to communicate well, both orally and in writing to sponsors, superiors, peers, and subordinates; ability to administer program planning, scheduling, and expense; knowledge of Naval procurement and systems acquisition process; knowledge of Navy funding system, funding cycle and fund differences; technical knowledge of such diverse fields as electronics, mechanical engineering, software, explosives, aerodynamics, propulsion of all types of seekers, guidance systems, computers, solid propellant rocket motors, control systems, and turbine engines; ability to support the EEO Program.

Announcement No. 30-012, Secretary (Typing), GS-318-5/6, PD No. 823901N, Code 3908 — This position is located in the Sparrow Program Office, Weapons Department. As office manager and senior secretarial position for Code 3908, the incumbent performs a variety of secretarial/administrative tasks. Duties include arranging conferences and meetings, preparing meeting agendas, preparing viewgraphs and gathering materials for presentations, preparing non-technical correspondence, reviewing all ongoing correspondence for proper format and typographical errors and providing proper distribution, making travel arrangements and maintaining

Reassignment Opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotional Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to 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 may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

Announcement No. C-44-21, Electronics Technician DT-854-3, PAC No. 826456M, Code 4422 — This position is located in the Test Support Branch, Test Engineering Division, Parachute Systems Department. Incumbent will fabricate, electromechanically package, and document a variety of airborne instrumentation and data collection systems in support of parachute T&E efforts. Knowledge of electromechanical packaging principles, instrumentation packages and technical documentation is highly desirable. For additional information or consideration for this position, contact Don Stapleton, Ext. 3761.

DIVINE SERVICES

PROTESTANT	1000
Sunday Worship Service	1000
Sunday School	0830
ROMAN CATHOLIC	
Sunday Masses	0830 & 1130
Daily Mass (except Saturday)	1135
Sunday Religious Education Classes	1000
JEWISH	
Friday in the East Wing	1930
UNITARIAN	
Friday, Annex 95, as announced	1930

(Continued on Page 7)

Scores in softball league . . .

(Continued from Page 6)

while Lambert, another NWC player, was 4 for 4 at bat with 3 singles and a double.

Two wins each last week by the High Desert Home Center, the High Desert Temporaries, and the CSC teams kept them in 1st, 2nd, and 3rd place, respectively, in the Women's Division of the Slow Pitch Softball League.

The High Desert Home Center team had its work cut out for it against the M&Ms, whom they defeated 16-15, but only after a 4-run rally in the last half of the 7th inning gave the division leaders a 1-run victory. The score was tied 12-12 at the start of the 7th inning.

It was a different story in the High Desert Home Center vs. Bill Wright Painting tilt, which was won 21-7 by HDHC. The victors got off to a 10-1 first inning lead.

The High Desert Temporaries experienced little difficulty defeating PRC-Ridgecrest Engineering and JD's by scores of 12-4 and 15-1, respectively. Sue Deis hit a home run for HDT in the PRC-Ridgecrest Engineering game, and Terri Bitner connected for a circuit clout for HDT in its lopsided win over JD's.

The CSC team racked up its 3rd and 4th wins of the season last week at the expense of Ridgecrest Electric (6-1) and Smith Concrete Construction (14-6).

Ridgecrest Electric was blanked after scoring a single run in the second against CSC. The victors, who led 2-1, wrapped up the win with a 4-run outburst in the fifth inning. Geri Clout hit a triple and 2 singles in three at-bats for CSC.

A 9-run third inning gave CSC more than enough scoring to win its game with the Smith Concrete Construction squad. In this tilt, Abby Brandt hit a home run for the winners.

Results of other Women's Division games were High Desert Import Center 12, Smith Cement Construction 2; M&M's 13, PRC-Ridgecrest Engineering 11; and Bill Wright Painting 14, Mixed Nuts 11.

Two runs in the bottom of the seventh inning turned what had been a 11-1 tie into a victory for the M&M's. Jenny Writzke and Dawn Oran both hit home runs for PRC-Ridgecrest Engineering.

The Mixed Nuts seemed headed for their first win of the season with a lead of 11-3 over Bill Wright Painting in the fourth inning, but the bubble burst during the next at-bat by the Painters, who tallied 8 runs to tie the score at 11-11.

The Painters scored another 3 runs in the sixth inning to pull out 14-11 win. Melody Settles had a home run and 2 singles in 4 times at the plate for Bill Wright Painting.

The NWC O's split their two games and

4 swimming pools at China Lake open on holiday weekend

China Lakers will have the opportunity to splash in the cool water of the Center's four swimming pools this weekend even though the outdoor pools are not scheduled to be open regularly until June 15.

The outdoor pools will be open from 11 a.m. until 6 p.m. on all three days (tomorrow, Sunday and Monday). The indoor pool will be open to lap swimmers only tomorrow and Sunday between noon and 1 p.m., and then will be open for general swimming until 5 p.m.

On Monday, lap swimmers will have exclusive use of the pool from 11 a.m. until 1 o'clock, with everyone being welcome in the water from 1 to 5 p.m.

Memberships at the outdoor pools may be purchased at the club offices.

FOR NAVY NEWS

P.A. LINE

X 2345

the Sick Bay Commandos took it on the chin twice during games played last week by teams competing in the Military Division of the Slow Pitch Softball League.

The NWC O's were defeated by a Circle K team that racked up 4 runs each in the 1st and 4th innings enroute to a 9-5 victory.

Two nights later, however, the NWC O's jumped on the Sick Bay Commandos — handing them a 14-7 loss. The officers' team wrapped it up by scoring a dozen runs and charging off to a 12-1 lead in the first two innings of play.

In the Commandos vs. VX-5 Mavericks tilt, the Mavericks led off with an 8-run first inning and came out on top by a final score of 24-7 in a game that was called at the end of 5 innings of play.

Promotional opportunities

(Continued from Page 2)

Program Office files and records. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review outgoing correspondence; ability to compose correspondence and/or prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff; ability to plan and coordinate travel arrangements; ability to maintain a personal supervisor's calendar and to arrange conferences. Supplemental Qualifications Statement is required for all secretary positions and may be picked up at the receptionist's desk, 505 Blandy, Personnel Department. Previous applicants need not reapply. Promotion potential to GS.

Announcement No. 3438, Quality Assurance Specialist GS-1916-11 or DA-1916-3, PAC 823668E40, Code 3482 — This position is in the Quality Assurance Branch of the Product Assurance Division, Engineering Department. The incumbent develops, specifies, manages, plans, reviews and implements quality assurance techniques, principles, disciplines, procedures and requirements in support of design, development or production of weapons systems and associated equipment. **Job Relevant Criteria:** Skill in planning, conducting, and analyzing surveys and inspections designed to monitor and control the quality of products and processes; skill at proposing and implementing new processes and specifications to improve quality assurance; ability to report technical results and recommendations orally and in writing. Knowledge of Q.A. specification: a. MIL-Q-9858 and AR 92 (QA Program Requirements); b. MIL-STD-105 (Statistical Sampling); c. MIL-L-45208 and AR 91 (Inspection System Requirements).

Announcement No. 26-322, Housing Project Manager, GS-1173-9, PD No. 767002E, Code 2652 — Status eligibles will be considered. This position is located in the Facilities Management Branch, Housing Division of the Public Works Department. The incumbent directs the Facilities Management Branch, exercising management control over government owned housing units located within the confines of NWC. Responsibilities of the position include the following: monitoring housing maintenance and repair planning rehab and improvement programs, conducting tenant check-ins and check-outs, providing budget inputs, supervising tenant improvement projects and the self-help program, handling complaints on occupancy and dwelling problems, conducting inspections, reviewing service chits, handling interior painting schedule, developing contract proposals and monitoring contracts in progress. **Job Relevant Criteria:** Knowledge of general housing policies at NWC; knowledge of housing planning requirements; knowledge of regulations governing assignments of quarters; knowledge of experience in dealing with tenant complaints; knowledge of maintenance principles and standards; ability to monitor contracts and develop contract proposals; ability to confront human resources problems (EEO).

Announcement No. 00-013, Administrative Officer, GS-341-9, PD 793908A, Code 03T — This is a temporary promotion not to exceed one year. May be made permanent at a later date. This position is located in the Facilities Management Branch, Laboratory Directorate. Incumbent is responsible for the financial activities and financial information/documentation developed and/or reported by the AWTO. Incumbent will also provide administrative support in the areas of management analysis and personnel management. **Job Relevant Criteria:** Knowledge of administrative functions and procedures; skill in handling work contacts; ability to communicate clearly both orally and in writing; ability to exercise initiative and make decisions; skill in analyzing data and reaching sound conclusions.

Announcement No. 33-022, Supervisory/General Engineer, DP-801-3/4, Electronics Engineer, DP-855-3/4, Mechanical Engineer, DP-838-3/4, PAC 823358E, Code 3322 (Interdisciplinary) — This position is Head, Air-Launched Weapons Fuze Branch, Electromechanical Division, Fuze and Sensors Department. The function of this branch is the design and development of fuzes, destructors, and warhead safety-arming devices and involves responsibility for product engineering, evaluation, production and Fleet support of guided missile fuzes, safety-arming devices, fuze contact devices and destructors. **Job Relevant Criteria:** General engineer, electronic, mechanical experience with electromechanical systems; knowledge of production process; knowledge of engineering development processes; support the principles of EEO. This position is temporary not to exceed one year.

Announcement No. 32-049, Interdisciplinary Mechanical/Aerospace/Electrical Engineer, DP-820/841/850-3, PAC 8232787, 8232788, 8232789, Code 3273 — This position is located in the Systems Technology Branch, Propulsion Systems Division, Ordnance Systems Department. The incumbent will participate in the branch's vertical launch missile adaptation programs and will be responsible for the design, development and evaluation of missile flight control and propulsion subsystems. The effort involves hands-on hardware work relating to both major missile development applications and technology base programs and includes definition and coordination of missile hardware and software interfaces with the Navy's Vertical Launcher System. **Job Relevant Criteria:** Knowledge of missile related mechanical and electrical component design; knowledge of control system. Knowledge of shipboard fire control and launcher interfaces; ability to communicate effectively both orally and in writing.

Announcement No. 35-980, Multidisciplinary General/Electronic/Mechanical/Aerospace Engineer, Physicist, DP-801/855/830/861/1310-3 PAC 803548E, Code 3550 — This position is located in the Fuze Branch, Requirements Office, Code 3550, EWTEES Division, Electronic Warfare Department. The work schedule is first-40 (Monday, Thursday, 0630-1630) and the location is the Electronic Warfare Threat Environment Simulation (EWTEES) facility in the Randsburg Wash Test Area. Bus transportation is available to and from the work site. The incumbent serves as the NWC focal point for Project W0602, Electronic Warfare Threat Simulation Development, sponsored by the Naval Air Systems Command, and is responsible for the overall direction, technical management, planning, and coordination of the 57-10W/yr R&D effort. The incumbent is responsible for establishing the long and short term technical direction and approach, planning and scheduling work across broad organizational lines, and for monitoring and reporting status and progress to the sponsor. Incumbent also generates work proposals and solicits support for special programs. **Job Relevant Criteria:** Ability/knowledge in the planning/coordination/execution of a major technical program; ability to handle problems and assignments of marked difficulty (both technical and administrative) and to find a suitable approach and solution; ability to interface with both technical and administrative management personnel.

Announcement No. 24-655, Supervisory Police Officer, GS-083-7, PD No. 7184012N, Code 2413 — Position is located within the NWC Police Division, Safety and Security Department. Primary function is that of first line supervisor in the Patrol Branch responsible for one of three watches (shifts). Incumbent will primarily perform duties in the field, supervising the actions and performance of patrolmen; will ensure that all investigations handled by patrol units are properly conducted and will be alert to law violators, evidence of the occurrence of a crime or conditions which would adversely affect the welfare of the Center. **Job Relevant Criteria:** Knowledge of all aspects of police work, particularly patrol procedures and criminal law; ability to motivate and supervise; ability to communicate with others effectively; ability to prepare clear and concise reports; willingness to support Federal EEO policies and goals.

Announcement No. 32-048, Interdisciplinary Aerospace/Mechanical Engineer, DP-841/830-2, PAC No. 822660E, Code 3246 — This position is located in the Air-breathing Propulsion Branch, Advanced Technology Division, Ordnance Systems Department. The incumbent is assistant to the systems engineer for aeropropulsion of the Air-breathing Propulsion Branch. The incumbent is cognizant of all airframe, propulsion, and power component design, development, and integration activities. The incumbent analyzes missile subsystems and subsystem interactions. The incumbent prepares program plans. **Job Relevant Criteria:** Knowledge of airbreathing propulsion and missile aerodynamics; knowledge of missile power systems and



RACQUETBALL TOURNAY CHAMPS — Tom Dodson (at left) holds the plaque he received for his efforts in winning the open division of a racquetball tournament sponsored by the Recreational Service Department. The runners-up in this event, shown with their awards, are (l.-r.) Gene Simpson, 2nd; Tim Jenkins, 3rd; and Les Saxton, 4th.

Announcement No. 35-079, Administration Officer, GS-341-11 or DA-341-3, PAC 823542E, Code 3502 — This position is located on the department staff, Electronic Warfare Department. The incumbent directs comprehensive staff and managerial services, providing consultation and advice to the assistant department head for administration. Duties include the coordination of all resource management, organizational and fiscal policy. Emphasis is placed on personnel, financial and equipment planning and analysis for the department. **Job Relevant Criteria:** Knowledge of personnel and fiscal management; ability to analyze complex and diverse processes; ability to communicate effectively, both orally and in writing; ability to deal effectively with all levels of personnel; knowledge of Center-wide administrative processes; interest in and potential to handle people problems (EEO). If filled at the lower level, this position has promotion potential to Administrative Officer, DA-341-3. This is a readvertisement of Announcement No. 35-078; previous applicants need not reapply.

Announcement No. 25-011, Procurement Clerk (Typing), GS-1104-3/4/5, PD No. 8125535, Code 25240 — This position is located in the Service Contract Administration Section of the Contracts Branch, Contracts Division, Supply Department. The incumbent performs clerical work in support of contracting officers/ordering officers/contract administrators and procurement assistants responsible for complex indefinite delivery contracts. Is responsible for preparing solicitations, business clearances and various types of orders, modifications, correspondence and reports. At the GS-3 and 4 levels the incumbent will perform the above duties as a trainee. Applications will be accepted from status eligibles. **Job Relevant Criteria:** Knowledge and experience pertaining to the position (contracting practices and procedures); ability to interpret instructions; ability to meet and deal effectively with others; ability to meet deadlines under pressure; skill in typing.

Announcement No. 26-321, Planner and Estimator (Electronic High Voltage), WD-2810-8, JD No. 580N, Code 2613 Status eligibles will be considered. This job is located in the Maintenance Control Division, Public Works Department. Incumbent provides detailed manpower/material estimates in support of facility maintenance for the entire laboratory. This includes inspection, job write-up, material lists and sketches for construction, alteration, repair and maintenance. Work requests that all within the trade area include public address systems, fire/security alarm systems, and high voltage systems such as power generation and distribution systems. **Qualifying Experience:** Journeyman level work in the following trade area will serve as the basis for qualifications: high voltage electrical, Job Relevant Criteria: Ability to facilitate production; knowledge of technical practices; ability to interpret instructions, specifications, etc.; knowledge of pertinent materials, knowledge of pertinent tools and equipment. Note: Supplemental is required and may be picked up at the reception desk of the Personnel Building.

Announcement No. 26-319, Heavy Mobile Equipment Repair Inspector, WG-5803-11, JD No. 477N, Code 24771 — Status eligibles will be considered. This job is located in the Heavy Duty Section, Transportation Division, Public Works Department. Incumbent inspects, tests, describes malfunctions, designs modifications, writes up shop repair orders, and assists heavy mobile equipment repair mechanics with unusually complex problems concerning the repair or modification of gasoline, diesel, electrical, tanks, missile launchers, cranes, earth-moving equipment, etc.). Inspects finished work to insure that operational and safety standards are maintained. **Job Relevant Criteria:** Ability to inspect; ability to assemble, test and repair heavy duty equipment; ability to do theoretical, precise and/or artistic work required in the inspection process; ability to use measuring instruments; ability to interpret instructions and specifications including blueprint reading; ability to use and maintain tools, instruments and equipment related to heavy duty equipment inspection; ability to troubleshoot. Note: Supplemental Statement is required along with SF-171 and may be picked up in the Personnel Bldg., 505 Blandy, at the reception desk.

Announcement No. 26-317, Engineering Operator, WG-5716-11, JD No. 550N, Code 2462Y — Status eligibles will be considered. This position is in the Utilities Branch, Maintenance Division of the Public Works Department. The incumbent is required to operate such equipment as bulldozers, backhoes, graders, caterpillar tractors with scrapers, rollers, skip loaders, etc. to scrape, scoop, roll, and to level areas on the Center. The incumbent works on ranges and test areas to level, build roads, haul and position equipment, build airstrips and create remote tracking and experimental sites. May operate a transit and do basic surveying or will work to precise tolerances from grade stakes set by engineers. Is responsible for satisfying fine grade requirements in a minimum working time. Requirements are exact to insure properly banked curves, slopes, shoulders, and drainage features. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; ability to perform operational maintenance; reliability and dependability; ability to interpret instructions, specifications, etc.; ability to operate equipment safely. Note: Supplemental Qualifications Statement is required along with SF-171 and may be picked up in the Personnel Bldg., 505 Blandy, at the reception desk.

Announcement No. 26-320, Automotive Mechanic, WG-5823-10, JD No. 172N, Code 24773 — Status eligibles will be considered. Position is located in the Drive Train Section, Transportation Division of the Public Works Department. Incumbent maintains, repairs, overhauls and modifies such automotive types of equipment as sedans, pick-up trucks, trailers, aircraft support equipment and/or various other small types of equipment powered by a gasoline engine or an electric storage battery, such as materials handling equipment. Large gasoline powered trucks and buses are also included. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; knowledge of equipment assembly, installation, repairs, etc.; technical practices and troubleshooting; ab. to use hand tools, engine equipment, power tools, auxiliary machines, accessories, and equipment; ability to use measuring tools, mechanical gauges, instruments, diagnostic, and test equipment; ability to read and interpret blueprints, instructions, specifications, etc. Note: Supplemental Qualifications Statement is required along with SF-171 and may be picked up in the Personnel Bldg., 505 Blandy, at the reception desk.

Announcement No. 26-326, Automotive Mechanic, WG-5823-10, JD No. 172N, Code 24773 — Status eligibles will be considered. Position is located in the Drive Train Section, Transportation Division of the Public Works Department. Incumbent maintains, repairs, overhauls and modifies such automotive types of equipment as sedans, pick-up trucks, trailers, aircraft support equipment and/or various other small types of equipment powered by a gasoline engine or an electric storage battery, such as materials handling equipment. Large gasoline powered trucks and buses are also included. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; knowledge of equipment assembly, installation, repairs, etc.; technical practices and troubleshooting; ability to use hand tools, engine equipment, power tools, auxiliary machines, accessories, and equipment; ability to use measuring tools, mechanical gauges, instruments, diagnostic, and test equipment; ability to read and interpret blueprints, instructions, specifications, etc. Note: Supplemental Qualifications Statement is required along with SF-171 and may be picked up in the Personnel Bldg., 505 Blandy, at the reception desk.

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The Rocketeer

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NWC Commander

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Technical Director

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Results reported of tennis club's first tourney of season

The first competitive tennis tournament of the 1982 season, an event co-sponsored by the China Lake Tennis Club and the Recreational Services Department, was held last weekend.

There were nearly 90 entries in the tourney, and, depending upon their ability, players competed in A, B, or C Divisions in men's and women's singles and doubles, as well as mixed doubles matches.

Many of the matches were played in 100 degree weather, but tourney officials were grateful that wind was not a problem.

First place in the men's doubles went to the father and son team of Bill and Lance Campbell from Trona, who defeated Ron Montano and Forrest Strobel in the finals on Sunday by a score of 6-4, 6-4. Enroute to the finals, the Campbells eliminated Ken Grant and Roger Peck 6-4, 6-3.

The Division A mixed doubles champs are Dave Boyd and Suzanne Haney, who were extended to three sets before knocking off Bill and Marla McBride. The scores of the championship match were 5-7, 6-7, and 6-3.

Boyd and Haney also notched up victories in mixed doubles play over Nick Schneider and Virginia Wirtz and Cindy and Lance Campbell — the latter by scores of 7-5, 7-5.

Abby Brandt and Suzanne Haney teamed up to win the Division A women's doubles. The final match (against Marla McBride and Pauline Patterson) went three sets. The scores were 6-7, 6-4, 6-4.

First place in the Division A men's singles was won by Ron Montano, who posted a 6-3, 6-3 victory over top seeded Dave Boyd in the finals of this event. Other men's singles foes knocked off by Montano were Bob Forrester and Dick Mello.

Division B winners were Daryl Moline, men's singles; Sue Dixon, women's singles; John Haney and Sue Dixon, mixed doubles; and David Hazelwood and Moline, men's doubles.

David Hazelwood also won the Division C men's singles.

Registration slated for hunter safety course on June 5-6

Registration is scheduled tomorrow morning and also on Tuesday evening for a hunter safety course, offered by the Sierra Desert Gun Club, that will be held on Saturday and Sunday, June 5 and 6.

Signups for the course will be conducted tomorrow from 9 a.m. to 1 p.m., and on Tuesday from 7 to 9 p.m. in the lobby of the Ridgecrest Police Station. There is a fee of \$10 that will be collected at the time of registration.

The course, which is open to all residents of Indian Wells and Searles Valleys, and the surrounding areas, will be taught by certified instructors of the Sierra Desert Gun Club. It will be held at the club's rifle and pistol target range and clubhouse facilities, located on Sportsmans Road at NWC.

Included in the approximately 11 hours of classroom instruction will be an hour-long written final exam.

In California, all first-time purchasers of a hunting license must receive training in firearms and archery safety, sportsmanship, and game management from a state-certified hunter safety instructor.

Upon successful completion of such a training course, the student receives a validated Hunter's Safety Certificate that must be presented to the licensing agent when purchasing a California state hunting license.

Blackhawks rule roost in softball league Nat'l Div.

The Blackhawks continued to rule the roost last week in the National Division of the Ridgecrest Recreation Department's Slow Pitch Softball League.

The 'hawks, who are undefeated, ran their win streak to 5 games in a row as they knocked off the second place Vaughn's team 11-3, and also came up with another 11-run performance during which they outscored the Knights 11-7.

The Blackhawks got things going their way by building up an 8-0 lead after three innings of play in their game against Vaughn's. The division runners-up scored 3

runs in the fifth, but this was offset by another 3 runs for the Blackhawks during their final time at bat in the top of the 7th.

Richie Clott wielded the "big stick" for 2 doubles in 4 times at bat.

A home run by Ralph Stalnaker, who also hit 2 singles, highlighted the Blackhawks' 11-7 win over the Knights. It was a close contest with the 'hawks leading 7-6 after four innings of play, but a 3-run surge in the bottom of the 6th put the game on ice for the division leaders.

Results of two other National Division



BROTHER AGAINST BROTHER — Danny Drake (on the deck) can only watch as his brother, Richie, looks for a teammate to pass the ball to during this alumni basketball game played Friday night at the Burroughs High School gym. The White team (graduates during even-numbered years since 1974) powered its way to a 93-62 victory. In addition to Danny Drake, other players for the Green team are Mike Breeden (at right) and Rob Tomaras (No. 34). Also visible in photo is Mike Waters (No. 32) of the White team.

Burroughs grads compete in two alumni basketball games

Graduates of Burroughs High School returned to the BHS gym last Friday night for a pair of alumni basketball games that were staged by the High Desert Sports Association for the purpose of raising funds needed for the development of softball playing fields in Ridgecrest.

During the first of two games, the Green team (graduates of odd-numbered years) edged the White squad (alumni who received their diplomas in even-numbered years) by a score of 76-72.

In the nightcap, the Whites drew away to a lopsided win of 93-62 over the Greens.

Of more spectator interest, among the few sports fans who were on hand Friday night at the local high school gym, was the evenly-matched game between the older alumni, which was a close contest all the way.

The White team nudged ahead 11-10 in the first quarter and the players for both teams found the range in the second period of play when the White squad tallied 28 points compared to 27 for the Greens.

Highlight of the first half of play in the game between the pre-1974 graduates was the performance of Randy Steadman, who hit on 12 out of 12 free throws and tossed in three field goals for a total of 18 points for the White team.

Steadman, who fouled out of the game in the fourth quarter, was held to just 2 points in the second half, however, and the Green team kept the pressure on to win by a 4-point margin of 76-72.

No more than 5 points separated the two teams during the third quarter and the score was tied five times in the fourth period. With less than 2½ min. left to play, a basket by Dennis Henden gave the White team a short-lived 70-68 lead.

The Green squad responded with a basket by Scott Shacklett that was sandwiched in between a pair of field goals by Kevin Keith,

and the White team was back on top 74-70.

Terry Mangrum then pumped in a shot that made it a 74-72 ball game with the Green team holding the lead, and Roger Martin boosted the Green team's margin of victory to 4 points with a field goal seconds before the final buzzer.

The game's high point man was Kevin Keith, who tallied 27 points. Other players on the Green team who made it into the double-figure scoring column were Alan Sorenson (15), Scott Shacklett (14), and Roger Martin (11).

In addition to Steadman, who tallied 20 points, leading scorers for the pre-1974 White team were Jim Stillwell (15), Terry Mangrum (14), and Gordy Irvin (12).

In the game between alumni teams representing the period from 1975 through '81, the Green teams (composed of odd-numbered year graduates), started off strong by building up an early 10-2 lead. Thereafter, however, the White squad began to click and pulled ahead 21-20 at the end of the first quarter.

The Green team continued to hang on, but fell behind a bit further during the second period of play, which ended with the Whites out in front 39-32.

The White team's dominance of the game became apparent in the second half, when the eventual winners outscored the Greens 24-17 in the third quarter, and then turned the game into the rout with a 30-point scoring effort (compared to 13 for the Greens) in the fourth period of play.

Darryl Moline, of the Cerro Coso College squad, led the White team with 37 points, while Steve Motte and John Homer pitched in 16 and 13 points, respectively. The Green team had four players in the double-figure scoring column, topped by Billy Brown, who tallied 20. The others were Mike Breeden and Danny Drake (12 points each), and Alan Robertson (10).

Final outcome of the Homestead vs. Mikel's Home Furniture team game was assured in the first two innings of play when the Homesteaders built up a 10-0 lead. Jess Fortney led the Homestead team with a triple and 3 singles in 5 times at bat.

A firm hold on first place in the National Division of the Slow Pitch Softball League has been grabbed by the Sports of All Sorts/Ridgecrest Animal Hospital team. Undefeated in its first five games, this team knocked off the Renegades 11-2 and edged Clancey's 9-7 last week.

The division leaders broke open a close, 3-1 ballgame by scoring 8 runs in the sixth inning and went on to defeat the Renegades 11-2. Homerun hitters for the division leaders were Cary Dabbs and Dell Kellogg, while Benny Williams also collected a circuit clout for the 'gades.

Clancey's posed a threat during the early going of its game against Sports of All Sorts but, after leading 4-3 at the end of 3 innings of play, gave up 4 runs in the fourth inning that tipped the balance in favor of Sports of All Sorts. Earl Machowsky was 2 for 2 at bat for the division leaders as he pounded out a triple and a single.

Scores of other American Div. games were Renegades 25, CSC 2; ERA Best Realty 11, NWC Varsity 6; and NWC Varsity 5, Clancey's 4.

John Hamlin paced the 29-hit attack of the Renegades in the CSC game as he hit a triple, two doubles and a single in 5 times at bat. In addition, a teammate (Bennie Williams) blasted out a home run, a double and single in 5 at-bats.

In splitting a pair of games, the NWC Varsity was outthit 20-12 while losing 11-6 to ERA Best Realty, but matched Clancey's hit-for-hit (12 apiece) in winning that game 5-4.

In the ERA Best Realty vs. NWC Varsity tilt, the score was tied 6-6 after four innings of play, but the Navy team was outscored 5-1 after that to end up losing 11-6. Three base hits by Glen Polk and Amos Blanche were instrumental in the ERA Best Realty win.

The NWC Varsity's second win of the season was an extra-inning fray with Clancey's. The Navy team led 4-3 after three innings, and Clancey's tied it up in the fourth at 4-4, but was shut out after that — thus losing 5-4.

Huett's home run and a triple were the longest hits of the game for the Navy squad,

Grid tilt between teams of BHS grads ends in tie of 8-8

Two teams of alumni football players tangled Saturday afternoon at the Burroughs High School athletic field in a game that was part of the sixth annual sports weekend at BHS.

The only scoring in the contest, which ended in an 8-8 tie, came in the first half.

The squad composed of even-numbered year graduates got on the scoreboard first on a 30-yd. touchdown pass from Mike Waters to Mike Hicks. Waters, who was an all-league running back last season at Bakersfield College, then carried the ball over the goal line for 2 points after the touchdown.

This first quarter tally was matched late in the second period of play by the odd-number year grads, who put together a drive that was culminated when Frank Mayer plowed into the end zone from the 1-yd. line.

Mayer then threw a pass to Randy Radcliff for the 2 extra points that tied the score at 8-8, where it remained for the balance of the ball game.

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. Lab. Please call NWC ext. 3727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four 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-command channels.

QUESTION

Civilian employee — In the NWC Announcement dated April 20 was an article concerning a film on the Soviet Union, "The Price of Peace and Freedom." I requested to attend this film, but was told by the Branch Head that I could not attend as the film was not pertinent to my job.

I feel that when these films are offered, we should be allowed to see them. I realize that it was not directly related to my job, but as a civilian employee of this research base, and a concerned citizen, I felt deeply interested in keeping up with what the United States and the Soviet Union are accomplishing.

I would like to know your views on this subject, and what I can do in the future if this reoccurs. Thank you.

ANSWER

As Commander of the Naval Weapons Center I am very concerned about ensuring that we get a day's work for a day's pay. Well, I should, since our civilian payroll amounts to about \$400,000 per day.

Regarding mission-related presentations there is no question but that it is not only OK, it's desirable that our employees be given opportunities to attend. Regarding other presentations such as the one you cited, it is really a judgement call.

I personally would have no objection to someone from Supply, for instance, going to this presentation because, as you stated, attendance can be justified. However, the on-scene supervisor is the person who is directly responsible for your time and he or she must retain the authority to control attendance at "nice to know" vice "need to know" presentations. After all, supervisors are paid to make decisions and that's what yours did.

In the future if you really feel strongly about something, you can always elevate the decision process, but I'd be cautious about doing that unless the issue was pretty important.

QUESTION

Civilian employee — Regarding cigarette smoking here on the Center, the Surgeon General recently issued a statement citing that cigarette smoking is the No. 1 preventable cause of death in this country. We all know that it's linked with cancer, emphysema, heart disease, deformities in the unborn and other problems. The report stated that non-smokers exposed to cigarettes will be subject to these same risks.

Several institutions and private companies have totally banned cigarette smoking on their premises, including meeting rooms and rest rooms. My question is, can a policy such as this be established here at NWC, and if not, why not? I've worked with smokers for years now and even though the work area I work in has no smoking signs posted, they're ignored.

Smokers bringing their cigarettes into small meeting rooms, and they smoke in computer rooms where smoke can damage sensitive equipment. Polite requests for no smoking are ignored. Can't a policy be laid down and enforced, please? Thank you.

ANSWER

NWC does have an instruction, NAVWPNCENINST 5100.16, based on Department of Navy and Department of Defense instructions, concerning smoking in Center occupied buildings and facilities. Smoking is prohibited in such facilities as the Center Theater, gymnasium, Youth Center, Navy Exchange outlets, Commissary, Center Library, elevators, and medical and dental facilities. Smoking is not allowed in official shuttle vehicles. Smoking is not permitted in the classrooms of Training Building No. 947 nor in conference rooms listed in enclosure (1) of the instruction.

There is no restriction on smoking in private offices. In common working spaces shared by smokers and non-smokers, smoking is permitted where ventilation is adequate to remove smoke from the work area. Except in medical and dental facilities, there is no limitation on smoking in corridors, lobbies and restrooms since individuals are not in these areas for long periods of time.

Now, as to enforcement, it is the responsibility of each employee to comply with posted "No Smoking" signs and to practice common courtesy in consideration of others. Supervisors in charge of work areas, bus drivers, classroom instructors and conference leaders serve as monitors to assure compliance.

If you are rebuffed in your attempts to enforce your rights, you should report the incident and particulars to your immediate boss, and this should be followed up on.

QUESTION

Civilian Employee — At the "Y" opposite the new Range Control Center, why is the main through traffic diverted out to the ranges where there are a minimum number of people, while the majority of people coming from Thompson Lab and the RF Development Lab must come to a stop?

Also, I think that it's a stupid place to put a stop sign at the intersection of Water Road and Sandquist Road, since it takes about three feet away from the traffic.

ANSWER

The stop signs on Water Road at the intersection in the area of the Range Control Building were installed after an analysis of the traffic flow in the areas was made to determine the best locations based on the traffic flow at the time. An additional survey will be made in this area from time to time to check traffic flow to determine continued adequate signing.

Another employee comment — I want to give someone a big "Attaboy" for designing the traffic pattern at the corner of Sandquist Road and the turnoff to the Range Control Center. There was the possibility of a terrible snarl at rush hours, and I think it was handled beautifully.

QUESTION

Civilian employee — I'm calling to commend the people who were responsible for the pictures shown at the Naval Weapons Center theater during the "Star Spangled Banner." I think the introduction is a great job. Thank you.

ANSWER

Am I ever glad to get this comment! I, too, think it's great — in fact, the best I've seen anywhere, but to date, we had only one comment, and that was not positive.



FILM CREW — PH2 Paul J. Czachowski (1.), cinematographer, and ET2 Robert L. Harris, Jr., video and sound engineer, from the Navy Video News team, set up in the Sidewinder office to shoot footage for a news segment to be shown worldwide.

Scenes filmed of activity at NWC by Navy Video News Team

Navy personnel on more than 500 ships at sea and bases ashore will get a glimpse of NWC activities through the Navy Video News within the next 60 days.

A four-person team was aboard the Center last week filming the two segments that will be sent on cassette tape throughout the Navy. One of segments will show the geothermal activity on the Center; the other shows QF-4 target drones used for super-sonic tests of the Sidewinder missile (along with some information about Sidewinder itself.)

Each segment will be about 2 to 3 minutes in length, and can be included in local news programs originating from the various bases and ships.

NEWS CLIPS PREPARED

The Navy Video News, a part of the Film and TV Division of the Navy Internal Relations Activity, has been in operation for nearly three years. Each month the film team prepares and releases an average of six news clips.

These reports include interviews with persons such as the Secretary of the Navy, discussions of CNO policy, and field reports like the ones filmed at China Lake.

The four person team here consisted of Lt. Carl R. Begy, director/producer; JOCs (SW) Ronald L. Barkdull, script writer and on-camera reporter; ET2 Robert L. Harris, Jr., video engineer and sound man; and PH2 Paul J. Czachowski, cinematographer.

Currently, this team is on a spring training mission. They left Washington on April 22 for Cleveland, where they filmed two stories at the Navy Finance Center before heading for Newport, Ore. In Oregon, they filmed a community relations event — Loyalty Days — when two Navy mine

Only one week left to donate money to Navy Relief drive

Supporters of the annual Navy Relief Society fund drive, which began on May 4 and will continue to June 6, have responded generously to the 1982 campaign for funds to aid the naval service's own private, charitable organization.

According to Cdr. C. E. Gartrell, co-chairman of the NRS drive with Lt. Dave Waller, contributions as of last Friday, May 21, totaled \$8,500.

With still another week to go before the campaign is concluded, there is still time for those who have not contributed to do so by contacting the campaign key person in their shop, division or department, Cdr. Gartrell said.

sweepers came into the harbor to join a local celebration.

From Oregon, they headed to the Trident submarine base at Bangor, Maine, to film preparations for the arrival of the first Trident submarine, before heading to China Lake.

While the items filmed are of Navy-wide interest, the target audience for which the clips are written is the group of Navy personnel who are E-5 and below and average about 24 to 25 years of age.

Busy week reported by pilots, crew of Navy SAR helicopter

The NWC Search and Rescue helicopter last week made one medevac flight, picked up an aviator who ejected from his aircraft, and had an all-day practice with members of the China Lake Mountain Rescue Group (CLMRG).

On Wednesday, PR2 Durinda Fuller, a member of the Parachute Systems Department's test group, sustained an injury to her lower back or hip. The SAR helo was dispatched to the drop zone to pick her up and transport her to the NRCM branch clinic on the Center. (She has since been sent to the NRCM in Long Beach, where her condition is good.)

The helicopter was flown by LCdr. Chip Lancaster, with AMS3 Michael Clenney as crew member.

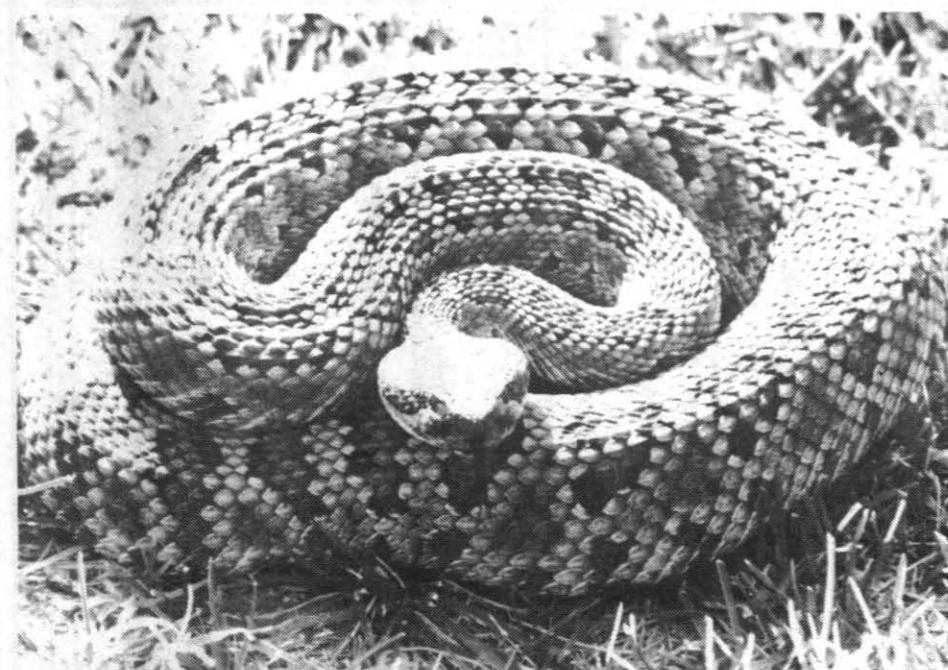
Thursday, a crash of a Nellis Air Force Base F-16 aircraft 19 miles north of Armitage Airfield at 4:15 p.m. resulted in a call to the SAR group to pick up the pilot, who had ejected.

The SAR helo reached the site at 4:30, and found Maj. R. W. Gallon walking around about 1,000 feet from the site of the crash at the rim of Wild Horse Mesa, about a mile and a half from the top of Renegade Canyon. Major Gallon was transported to the NRCM branch clinic for a physical checkup, although he appeared to be uninjured.

Again, LCdr. Lancaster flew the helo, with Ltjg. Brent Norman as copilot. Crew members were ADAN Larry Clark and AMS3 Clenney.

An all-day practice session with the CLMRG was held Saturday at Chimney Peak. The simulation involved a person lost in the mountains, and also involved tracking (with a dog who belongs to WOOF, a tracking group), and hoists in a Stokes litter.

Fifteen members of the CLMRG headed by Mike Mason and Bob Adams participated. The dog was accompanied by three persons from the Mammoth Mountain Rescue Group in Alpine County.



LOOK OUT! — Snake season is here and those who live in the desert should always remember not to put a hand or a foot anyplace that hasn't been checked first to see if the space is occupied by relatives of this fellow.

Extra care called for to avoid getting bitten by rattlesnakes

This promises to be a magnificent year for snakes, according to members of the Indian Wells Valley Mojave Green Project team. The team will respond to calls from anyone in the valley who spots a rattlesnake or sidewinder, and will collect the snake so that it can be sent down to Dr. Findlay Russell at the University of Southern California/Los Angeles County Medical Center for antivenin research.

The team can be contacted through the Ridgecrest Police Department dispatcher (375-5044), and asks that persons not try to catch the snakes themselves.

So far this year, five snakebite victims have been treated in area hospitals. At least one of the individuals bitten is an experienced snake handler — since even these individuals sometimes get bitten, those with less experience should be particularly careful.

The best way to treat a snakebite is not to get bitten.

"Don't reach anywhere you haven't looked first," is the best advice to keep from getting bitten. The same caution applies at night, with the added reminder that snakes like to crawl onto asphalt roads, so walking barefoot is definitely not recommended.

Persons whose homes are around the edge of the Naval Weapons Center are also advised to watch out for snakes in their yards, woodpiles, and garages, again by not reaching into anything or behind anything without taking a good look first.

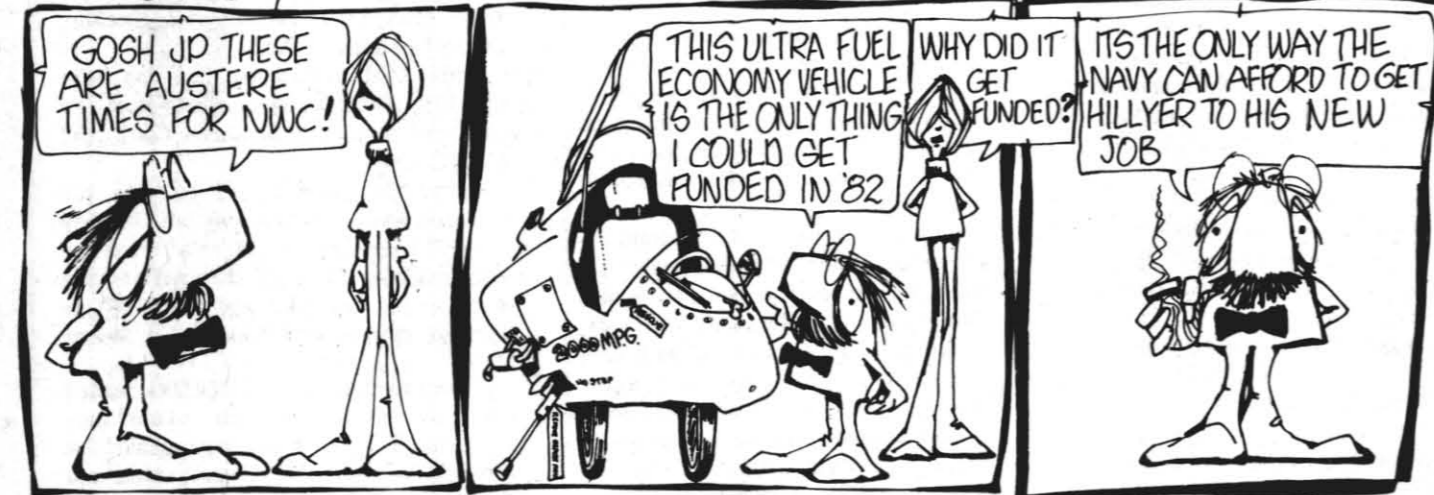
Snakes are not normally aggressive, but act aggressively if startled or frightened.

HARM milestone . . .

(Continued from Page 1) and is heavily involved with the Navy and Air Force operational testing.

Commodore Shumaker expressed pleasure that HARM has reached this point in its development. With this milestone the government now controls the configuration of this vitally required weapons system which should greatly reduce the risk to U.S. tactical aircraft.

MIKE'S LAB by Bill Erwin



Drug awareness is stressed in course for military personnel

Drug awareness, not drug rehabilitation is the thrust of the pilot Navy Drug Safety Action Program now ongoing at the Naval Weapons Center. The emphasis lies on helping individuals make a conscious choice of alternatives to give themselves a natural "high" rather than seeking a chemical solution to problems.

A random selection of 60 of the Center's enlisted personnel who are E-3 and below today completed the first on-Center 36-hour training course led by two civilian facilitators from San Diego, Len Wegeil and Nancy McDaniel.

This non-traditional program stresses not just drug awareness, but self-awareness. It enables those who complete it to deal with peer pressure and provides a supportive network for the future.

Ample time remains to arrange display for NWC open house

Program offices and other groups interested in setting up static displays at Armitage Airfield or in Hangar 3 during the Naval Weapons Center's Armed Forces Day and airshow on Sunday, June 27, still have an opportunity to arrange for exhibit space, says Lt. John Kelly.

Lt. Kelly is in charge of all the static displays, both of aircraft and inside the hangar. He can be contacted by calling NWC ext. 5789.

Airplane buffs will be interested in four aircraft that will be flown in by Fighter Rebuilders of Chino, Calif. — a Hellcat, an F-4U Corsair, a Mustang, and a Sea Fury. More modern aircraft from NWC as well as other nearby military establishments will also be on display.

One of the feature attractions inside the hangar will be a display of Walleye, the TV-guided weapon developed at the Center that proved itself dramatically effective during the Vietnam conflict.

Contractors to the Navy as well as the Center's own organizations are invited to set up exhibits.

Bon voyage party coming up June 9 for Bob, Lu Hillyer

Bob Hillyer, NWC Technical Director for the past 4½ years, and his wife, Lu, will be the guests of honor at a bon voyage party planned on Wednesday, June 9, starting at 6:30 p.m. at the Commissioned Officers' Mess.

Hillyer, who has been chosen to fill the position of Director of Navy Laboratories, will be leaving soon to assume his new duties in Washington, D.C.

All China Lakers are invited to attend this party for the Hillyers. Those planning to do so are asked to call the Program Coordinator's Office, NWC ext. 2634, no later than noon on Monday, June 7, so that name tags can be prepared in advance.

Contributions for a parting gift may be left with the staff of the Program Coordinator's Office in the lobby of Michelson Laboratory.

Everything discussed in the classroom is kept completely confidential among the class members and the facilitators. That the class is interesting is attested to by the fact that some class members asked if they could return on their own time in the evenings to continue discussions.

The program as developed has a double thrust: prevention to effectively involve individuals at all levels before drug problems arise, and intervention for those who have been involved with drugs but who demonstrate performance worthy of retention in the Navy. Only the prevention program is planned for NWC personnel at this time, and all the Center's military personnel will eventually be able to take the course.

Each class is structured so that those who are similar age groups and military responsibility will be in a class together to promote class unity.

Classes run either in the morning or the afternoon for a period of two weeks during which basic facts on drugs are presented. Also provided are educational experiences for individual development, aspects of attitude and self-awareness, practical solutions for everyday problems, how a person can change and enhance his or her own life, and how to make decisions that make sense.

These decisions not only are about mood-altering drugs, but about behavior and personal life goals.

The program is based on the very effective Navy Alcohol Safety Program.

Police reports . . .

A \$200 wristwatch disappeared last Saturday afternoon from the swimming pool at the Commissioned Officers' Mess.

The theft occurred during the annual Bjorklund Memorial swimming meet. The owner of the watch left it for a few moments on the officials' table, according to the report filed with China Lake police.

YARD SIGN TAKEN

A Navy enlisted man's family, first winner of the "Yard of the Month" contest in the Capehart B housing area, called China Lake police last Tuesday morning to report the theft from their yard of a sign that proclaimed this fact to the general public.

The sign, taken from 501 Burroughs Ave., had been up for a week when it was taken sometime last Monday night. Value of the missing sign was set at \$40.

VEHICLE ANTENNAS DAMAGED

Multiple reports of malicious mischief involving damage to vehicles left over night in the northeast parking lot of BEQ-2 were received last week by China Lake police. Radio antennas on five privately-owned vehicles were bent, resulting in damage estimated at \$150.

BEDROOM WINDOW BROKEN

Tenants of 1410 Kearsarge Ave. called China Lake police last week to report that a bedroom window at their residence had been broken by someone who tossed a golf ball through the glass.

Cost to repair the broken window was set at \$40.

TENANT REPORTS 'DOGNAPPING'

A "dognapping" was reported to China Lake police last Friday at 306 Sykes Circle, where the tenant's dog allegedly was stolen. The animal, obtained only recently from the animal control shelter, had been left in a fenced-in backyard that had a gate which was not locked.

Value of the pet, whose breed was not listed in the report, was estimated by the owner to be \$50.

INCIDENT OF VANDALISM

An incident of vandalism that resulted in a broken window at 1309-G Nimitz Ave., was reported Monday to China Lake police by the tenant at this address. Cost to repair the broken window was estimated at \$30.

Safety Dep't offers suggestions to ensure safe holiday driving

Memorial Day weekend traditionally has been a day to visit with friends and relatives, and many will be driving long distances in order to do that.

Take care driving, have a good visit and come back safely is the wish of the Safety and Security Department for all those at the Naval Weapons Center. Trips should be planned so that drivers will not become overly fatigued and sleepy.

Here are some problems that others have experienced:

The driver started back at 10 o'clock at night. He had over 400 miles to drive. He got sleepy and allowed the vehicle to run off the road with a resultant crash.

One driver went to the city for the holiday and, being unfamiliar with the streets, failed to see a yield sign and was not checking closely for cross traffic. There was a vehicle on the cross street, and the result was a fender-bender.

Using a map, check the travel route you plan to take and know your freeway exits and streets. Better yet, let a passenger be the navigator while you concentrate on the problems of driving. If you have to check the map, pull off the road so you can concentrate on it safely. Check ahead for signs and signals and behind you for tailgaters.

If you are going out on the desert area, be

sure to tell a neighbor or friend where you are going and when you will return so that if something happens and you need help, others will know where to look. Those going up into the mountains are reminded to stay in their lane on the curves, and think of the possibility that an on-coming driver may drift close to the center line. Be sure to stay to the right.

Never coast with the clutch disengaged as one driver who was involved in an accident tried to do. Remember that it takes longer to stop going down grade. Speed too fast for conditions, and driving on the wrong side of the road are the chief cause of mountain driving accidents.

Wherever you go, remember that driving at night calls for special care. About two thirds of the accidents happen at night. Drivers are more tired and also perhaps more have been drinking. Headlights shine out about 350 feet but some drivers cannot see clearly enough at that distance to see a dark-colored car or an animal in time to stop.

Check for hazards that are common in the area in which you are driving, and do buckle up for your own safety. In addition get all your passengers including the kids to buckle up also.

By Billie Hise

Stress management course still has a few slots available

A few more persons will be able to take the course entitled "Managing Stress in Business and Personal Life," to be offered on Wednesday, June 9, from 8 a.m. to 4 p.m. at the Training Center.

The focus of the workshop, which will be conducted by Dr. John Fry, is on skill building and practical information rather than on theories about stress.

Since both on-the-job and off-the-job stress affect job productivity and satisfaction, supervisors are urged to allow persons in their organization to sign up for the class even though the job itself may not appear stressful in the eyes of the supervisor.

Topics that will be presented include relaxation exercises, methods of reducing stress both on the job and with family members, tactics against insomnia, and training in on-the-spot adjustment of stress level. The main emphasis is on converting stress into productive problem solving.

For enrollment, Training Request and Authorization Form NAVWPNCEN 12410/73 should be submitted via department channels as promptly as possible.

Thompson, McLean Awards presented to 3 employees . . .

(Continued from Page 1) successful feasibility demonstration of the HARM concept.

Since 1978, Vargus has applied his systems engineering expertise to the task of defining major range deficiencies at the Electronic Warfare Threat Environment Simulation (EWTES) facility, developing a long range plan to correct them, and also has developed short range plans to guide the day-to-day operation and augment the long range plan.

In addition, Vargus has organized a problem-solving team at EWTES that has been successful in solving long standing technical problems, and has been active in designing new methods of conducting tests against new and projected tactical air threats.

Vargus began his career at NWC in the Engineering Department as a participant in the Professional Development Program. He has a BS degree in electrical engineering from Chico State College and, in 1970, was honored as a recipient of the Michelson Laboratory Award.

Dr. Austin was singled out to receive the Thompson Award for his pioneering achievements in the field of geothermal

research, and for his technical contributions that have served to advance scientific knowledge, particularly in the area of geothermal utilization.

NWC has been designated as the Navy's lead laboratory for the research and development of geothermal energy resources — a responsibility that is carried out under the direction of Dr. Austin.

He is also responsible for legal and institutional considerations involving geothermal energy, in addition to studies in material corrosion, field test and evaluation, and feasibility demonstration.

For more than 15 years, Dr. Austin has been involved in the identification of a potential geothermal resource in the Coso Hot Springs area of the Naval Weapons Center. This effort has been accomplished on a very limited budget, utilizing the resources and capabilities of federal agencies such as the U.S. Geological Survey and the Department of Energy, as well as studies by universities and private individuals.

As a result of Dr. Austin's technical expertise and the tenacity he has displayed in achieving the goals of NWC, the Coso Known Geothermal Resource Area and its potential



'YARD OF THE MONTH' CONTEST — As an incentive for tenants to improve upon the appearance of the outdoor areas around their residences, a "Yard of the Month" contest has been inaugurated. Each month from now to November, the recently established tenants' Community Council and the Housing Office will select one winner each from the Capehart A and B housing areas and from the duplex area. The winners receive a letter of appreciation from Capt. Lahr. A "Yard of the Month" sign to be posted by their house and two flowering plants. Among the first group of winners were AMS1 Thomas Sattler and his family (wife Remy and daughter Sandra) of 501 Burroughs Ave., who are shown receiving their letter of commendation from the NWC Commander. They live in the Capehart B area. Other winners are LCdr. and Mrs. James Tankersley, 1913 Blueridge Rd. (Capehart A), and Edward Murray, 1619 Hussey Rd. (duplex area).

Thrift Shop volunteers honored for hours of service rendered

Volunteers whose behind-the-scenes work help make the Thrift Shop the asset to both the Center and the community that it has become were honored for their service at the May luncheon meeting of the Women's Auxiliary of the Commissioned Officers' Mess.

Heading the list of those honored with certificates was Kathy McKinney, who received a chairman certificate for heading Thrift Shop operations from June through December last year.

Certificates for completing 100 hours or more of service were presented to Betty Blackmon, Shirley Hollandsworth, Maggi Tate, and Gunilla Giegerich.

Those who received certificates for having worked at least 20 hours include Maxine Booty, Madeline Dienhart, Tess Jackson, Jeanne Kutz, Gerry Oshel, Ellen Rhein, Maureen Toftner, and Sharon Zabel.

Volunteers to sell items at the Thrift Shop on either Tuesday evenings or Thursday mornings are always welcome. Anyone who

would like to volunteer should telephone Betty Blackmon, 446-2662; Maggi Tate, 375-3490; or Evelyn Calloway, 375-2431, to be placed on the schedule.

Those who would like to help marking and pricing items may just drop by the Thrift Shop on either Monday or Wednesday at 9:30 a.m. Volunteers are especially needed at these times.

Fire danger in Sequoia Nat'l Forest again high

The fire season has officially started once more in the Sequoia National Forest.

Visitors in the national forest are reminded that they must clear a 5-ft. space around campfires and must have a shovel nearby whenever a fire is burning.

They are also reminded that if they camp anywhere other than in developed campgrounds, a campfire permit must first be obtained at the closest Forest Service Ranger Station.

inventions that have resulted in significant improvements in aircrew emergency survival equipment.

In his work with the Parachute Systems Department, Matsuo directs efforts related to the analysis, design and feasibility testing of prototypes of Navy parachutes. At the present time, he also is involved in work on innovative aircrew escape system components.

In the past, Matsuo has been awarded four patents that relate to the introduction of improved gliding and maneuvering capability into military aircrew emergency parachutes. He also has received three patents for aircrew escape systems that are in use by the Fleet.

Included in the latter were a controlled multi-stage decreasing drag parachute, and a controllable gliding parachute.

Matsuo came to NWC in 1979 when the National Parachute Test Range function was transferred from El Centro, Calif., to China Lake. He began his Civil Service career in 1969, following 25 years in the military service.

Matsuo has a BS degree in aeronautical engineering that he received from the University of Minnesota.