

BLUE ANGEL SOLOISTS — Two solo pilots demonstrate the high performance capabilities of their aircraft during aerial shows like the one that will be presented Sunday afternoon as a part of this weekend's open house and air fair at the Naval Air Station, Lemoore, Calif.

Donations needed for fireworks at July 4th fete on fairgrounds

A total of \$3,000 is needed to purchase the Commerce office and at local businesses. fireworks for the Fourth of July celebration at the Desert Empire Fairgrounds, which is to organize teams to enter this competition. being planned by the Ridgecrest Chamber of Commerce for local residents and their

The Chamber of Commerce has set up 31 firecrackers (large, red canisters) where donations can be left to help pay for this Independence Day celebration. Three canisters are located on-Center at the Enlisted Mess, the Chief Petty Officers' Club, and the Commissioned Officers' Mess.

Contests, games, food, indoor bingo, entertainment and a fireworks display for all ages are all a part of a free, old-fashioned Fourth of July celebration that will begin at the Kiwanis Club. The Rotary Club will 1 p.m. and continue until 9 o'clock at the fairgrounds.

Between 1:30 and 6 p.m. a tug-of-war, "dunk tank," and a greased pole contest will p.m. and continuing until 9 o'clock, will be war are available at the Chamber of Desert, a local band.

take place. Sign up sheets for the tug-of- provided by Entertainment Network of the

Organizations and departments are urged

Teams will consist of five members and

there are four classes this year: pee wee

school (youths in 9th through 12th grades -

allowed per team), women (18 years of age

and older), and men (18 years of age and

older.) A maximum team weight of 1,000

pounds for high school and women's teams

and 1,200 pounds for men's teams has been

At 4:30 the eating contests will begin with

a watermelon eating contest sponsored by

followed by a rootbeer chug-a-lug at 5:30.

New officers installed, plans made for '81-82 by local chapter of Sweet Adelines

During a recent ceremony held at the Enlisted Mess, the Singing Sands Chapter of Sweet Adelines, a choral group of women over 18 who sing "barbershop harmony," installed new officers for the 1981-82 year.

The new officers are Georgia Klassen, president; Helen Estell, vice president; Jan Arisman, secretary; and Mary Hoyt, treasurer. One of the goals of the new president is to increase the chapter's membership from its present membership of 22 to 30 in the coming year.

During the installation ceremony which was attended by Sweet Adeline members, and family and friends of the chorus, six of the 12-member board of directors were elected to assist in the chapter functions. They are Ruth deRoulet, Kathy Armstrong. Linda Hislop; Jan Arisman, Hazel Johnson and Betty Turner, who join holdover board

members Helen Estell, Mary Hoyt, Lynn Johns, Georgia Klassen, Joan Renner and Vursa Van Buskirk.

Persons interested in joining the Singing Sands Chapter of Sweet Adelines can contact either Helen Estell, by calling 375-2036, or Georgia Klassen, by calling 375-

During the summer months, Sweet Adelines will meet on Wednesdays in the Presbyterian Church, across the street from Las Flores School in Ridgecrest, from

Already in the planning stage is the group's annual show, which has been scheduled on Sept. 26. In addition, the Sierra Sands Chapter of Sweet Adelines will host the Region 11 novice quartet competition that is to be held on Dec. 4 in Ridgecrest.

Happenings around NWC

Two on-Center microcomputer courses technical content of the planned courses was The tour is limited to 25 participants who proposed by AB Associates of Tampa, Fla., have been cancelled by mutual agreement of the contractor and the Personnel and Organizational Development Division of NWC's Personnel Department.

The two courses (Introduction to Micro/MiniComputers, scheduled for July, and Microcomputer Hands-On Seminar, scheduled for August) were advertised extensively on-Center in blue and yellow course brochures.

The decision to cancel was based on several reasons. The courses were neither scheduled nor approved through appropriate channels. The course material is in conflict with other planned coursework conducted by in-house experts.

In addition, a needs assessment on the

determined as the best source to provide this training if such a need does exist.

HOUSING INSPECTIONS

Dale Hughes, a summer employee for the Housing Division, will be conducting an inspection program in the China Lake housing area.

This inspection will be conducted in order to identify existing tenant additions to Navy housing to determine their approximate exterior dimensions. the type of construction, and their gen-

Hughes will be in the housing area throughout the summer to complete this inspection program.

Blue Angels main attraction of Air Fair, Open House at Lemoore

the Blue Angels, will be the main attraction at the Naval Air Station, Lemoore, Air Fair and Open House that is to be held tomorrow

Billed as "the largest open house and air fair ever assembled," this two-day event has been planned to celebrate NAS Lemoore's 20th birthday, the 35th anniversary of the Blue Angels, and the 70th of naval aviation

are free. The gates will open Saturday at 9 a.m. and will remain open until after the conclusion of a fireworks display that evening. On Sunday, the day of the Blue Angels' flight demonstration, gates will open at 7 a.m.

Static displays of more than 100 military and civilian aircraft, an autocross run, and many other activities (including tethered rides in gondolas carried aloft by hot air balloons) will precede the Blue Angels' air show at 1 p.m. Sunday.

The precision maneuvers demonstrated by the 1981 Blue Angels are coordinated tactical techniques developed in practice and actual combat by Navy and Marine Corps pilots. In combat, the tactics that the Blue Angels demonstrate might be flown from treetop level to 60,000 feet. However, (youths 8 through 13 years of age), high for the aerospace enthusiasts who come to

Newly established one June high school graduate will be Desert Arts Council

meeting set Monday

The High Desert Council for the Arts, a newly established organization whose long range goal involves the development of a unity facility for arts-oriented activities such as concerts and plays, will sponsor a pie eating contest at 5 p.m., meet and continue discussion on organization and personnel business on Musical entertainment, beginning at 6 Monday at 11:30 a.m. in the Sylvia Winslow

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

Organizations interested in the arts and individual artists, performers, craftsmen, photographers, sculptors, and the public are invited to attend the meeting on Monday and bring their own sack lunch.

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

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

Walk through Kern River Preserve planned Saturday

The Kern River Preserve, noted for its unique cottonwood riparian habitat and plant and animal life, will be the setting for a walking tour, conducted tomorrow, from 9 a.m. until noon, by Rick Hewett, preserve manager.

not conducted, nor has AB Associates been will learn about the history of the area, which is one of the Kern River Valley's oldest ranches, and its role as a center for environmental education.

> The Kern River Preserve was acquired with private funds through the Nature Conservancy in order to save an example of an otherwise rapidly vanishing California ecosystem.

> Reservations for this tour can be made by calling the Maturango Museum at 446-6900. Participants will assemble at the museum at 8 a.m., and there will be a picnic lunch on the grounds of the reserve following the

> The cost for this tour is \$2 for nonmembers of the Maturango Museum. No fee is charged museum members.

The Navy's flight demonstration team, watch, the Blue Angels bring all maneuvers down to eye level.

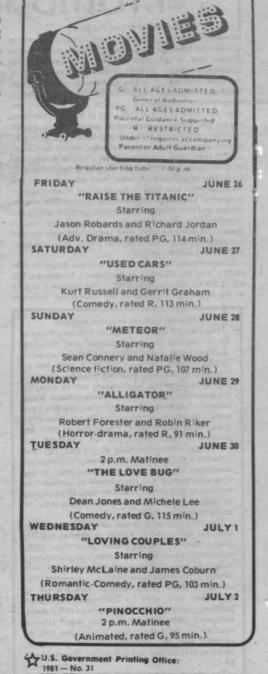
> During the air show, the formation draws itself as close together as is humanly possible while offering a confident margin of flight safety. With complete wing overlap, this may mean a mere arm's length from canopy to wing tip.

One aspect of the performance will be two solo pilots demonstrating the high per-Admission, parking and limited seating formance capabilities of their aircraft. The solo pilots train for their portion of the demonstration as a separate entity from the diamond because the techniques and emphasis for the diamond formation and solos

The final illustration of aerial teamwork is shown when all six aircraft rendezvous in a delta formation and perform looping rolling maneuvers. This is followed by a formation landing of four or six aircraft by presenting a faultless display of aerial

The Blue Angels seek to attract talented and qualified youth to join them in the U.S. Navy and Marine Corps. This is an important function in an all-volunteer naval

As "Ambassadors of Goodwill," the Blue Angels take naval aviation to the public as a means of demonstrating the quality of men and equipment comprising the U.S. Naval



From:_ PLACE STAMP HERE

All hands invited to attend

Change of command ceremony slated Tues.

All hands are invited to attend the Naval Weapons Center change of command ceremony at 9 a.m. Tuesday on the Administration Circle lawn.

This occasion will bring to a close the 30-year military career of Capt. William B. Haff, who is retiring from the Navy and will be succeeded as NWC Commander by Capt. John Jude Lahr.

The stars and stripes waving overhead, Navy officers and enlisted personnel in summer white uniforms, and the green lawn and trees of the Administration Circle will make a colorful setting for Tuesday's change of command ceremony.

Full military honors, including the firing of a 13-gun salute, will be rendered to the senior military officer present. That will be Rear Admiral James B. Busey, Director of Resources Management for Naval Material, who will be here representing the Naval Material Command

The guest speaker will be Rear Admiral Paul Gillcrest, Commander, Fighter/Airborne Early Warning, U.S. Pacific, headquartered at the Naval Air Station, Miramar, Calif., while Capt. James E. Doolittle, Commanding Officer of Enlisted Personnel and head of the NWC Aircraft Department, will be the commander of the troops assembled for the occasion.

The change of command ceremony will begin with a musical prelude by the U.S. Marine Corps band from Twentynine Palms. Following appropriate preliminary ceremonies, which will include the invocation by Cds John Allen, NWC Senior Chaplain, Capt. Haff and Capt. Lahr will quickly inspect the more than 230 NWC enlisted personnel, 30 chief petty officers and 30 officers assembled for the ceremony.

The talk by RAdm. Gillcrest will precede farewell remarks by Capt. Haff, who will then read his official orders and exchange salutes with Capt. Lahr as the latter relieves him of duty as NWC Commander.

Personal comments by Capt. Lahr conveying his views on taking command of the Naval Weapons Center will be followed by the benediction by Cdr. John Beck, Catholic Chaplain.

Following the ceremony, refreshments will be available in the Community Center for participants in the change of command and for guests

On Tuesday morning, parking spaces in front of the Administration Building will be cleared by 7 a.m. and reserved for official guests of the NWC Commander. Personnel normally assigned these spaces are asked to park their vehicles behind the Administration Building.

Parking spaces have been reserved in the Supply Department, Community Center, and Technical Library parking lots for guests invited to attend the change of command ceremony. Military personnel are asked to park in the parking lots at Michelson and Lauritsen Laboratories.



NAVAL WEAPONS CENTER

Gun-fired guided missile tested; success reported

A successful gun launch of an 8-inch ERGP Prototype Propulsion Section is part of the Naval Weapons Center's contribution to the development of an entirely new concept of gun-fired guided missile.

The ERGP (Extended-Range Guided Projectile) was fired June 5 from a selfpropelled howitzer at the G-2 Test Range.

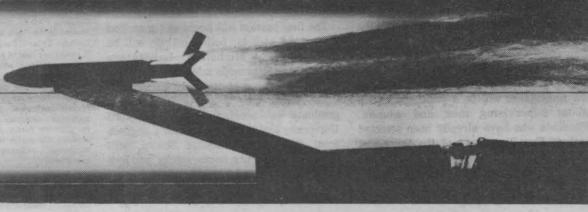
"The prototye design was selected from a group of designs as the optimum lightest weight propulsion system. This was the only design that maintained the projectile within its original weight and length constraints," stated Howard Payne, Code 3274A, the project engineer for the propulsion section. ROCKET MOTOR BOOSTS RANGE

This projectile includes a rocket motor to projectile, and fins that deploy once the projectile exits the gun barrel to maintain aerodynamic stability during flight. Another NWC contribution to the project is the Electronic Warfare Department's development of a sensor system.

During the recent test firing, the propulsion section functioned as designed; when the projectile left the barrel of the howitzer, the fins unfolded, with the rocket motor igniting 2 seconds later. John Cooper, ERGP's chief technician, said, "It's like a 300 yard drive, straight down the fairway. It looked good going down range. What a big relief that, after months of hard work, it was such a big success."

According to John Francis, one engineer on the project, "The shot indicated that the performance predicted by analysis of the

Home address changes go into effect on July 1 (See story on Page 4)



DRAMATIC EFFECT — As the propulsion section of the 8-inch ERGP hurtles down SNORT on a supersonic rocket sled, the fins extend and a flaming plume shows against the sky.

propulsion section was very close to that actually obtained."

The propulsion section consists of two major assemblies, the rocket motor and the afterbody. The rocket motor's end-burning propellant grain provides thrust through four canted nozzles for a short time during the initial part of the trajectory, increasing the projectile's range. The propellant used in this design has been proven in the Navy's 5-Inch Guided Projectile program.

A capability to glide will also enhance this projectile's maximum range. Art Black, the project documentation and test engineer, said, "As soon as I saw the rocket exhaust Future tests will be fired at higher barrel formance levels were achieved.

elevations to obtain maximum ballistic range." Vance Sikes, the project technician, happily added that everything he has seen so far on the ERGP "looks great."

The finned afterbody is designed to provide yaw and pitch stability and to limit the projectile's roll rate to less than one revolution per second.

The rocket motor used in the propulsion section has been evaluated in static tests, supersonic sled tests, and now, the gun test.

the static firing tests. The internal motor pressure and thrust values obtained from trail, I knew this was a successful test. these tests indicated that desired per-



SMOKING GUN - An 8-inch extended-range guided projectile prototype propulsion section leaves a trail of smoke as it hurtles from an M110 howitzer in a successful test at the Randsburg Wash Test range.

A supersonic sled test, conducted las December, showed that the plum (exhaust) had an adverse effect in its ir teraction with the afterbody. At the sam time, however, data acquired during the test helped to select an ablative (hea shielding) material for use on a portion o the afterbody.

Last Feb. 5, a follow-on sled test was conducted using an ablator that had beer selected from the first sled test. This ablator was completely successful in overcoming the plume problem.

The projectile must be capable of withstanding firing from the M110 howitzer (Continued on Page 4)

Heat wave hits early; mercury soars to 111 deg

"Find some place cool to go," is the advice that weather forecaster John Gibson offers for this summer.

With normal June temperatures averaging 95 degrees, this month has averaged 102 degrees so far, topped by a 111 degree day this past Monday. The record high temperature for the month of June at China Lake is 114 degrees, which has been hit at three different times in the past.

July and August are usually hotter months than June in the local area. And, yes, in the years when June has been hotter than normal, July and August have been hotter yet.

Anyone for a move to Alaska?

reports . . .

Damage estimated at \$500 was caused by

unknown persons who last week entered a

vacant residence in the Capehart B housing

area. Paint was smeared on the kitchen

floor, as well as on the garage, and holes

were punched in a bedroom wall and also in

During another incident of vandalism that

occurred in the Capehart B housing area, a

reddish substance was squirted on the

outside and inside of a 1973 Ford Pinto. No

information was available on the amount of

MARIJUANA CHARGE FILED

A motorist, stopped while driving Sunday

afternoon along Halsey Ave., has been

issued a citation to appear in the East Kern

County Municipal Court on a charge of

having less than an ounce of marijuana in

Police officers' attention was attracted to

the car because of an object that was

hanging from its rear view mirror in such a

way as to obstruct the view of the vehicle

After stopping the car to seek a remedy to

this problem, police officers discovered that

the object hanging from the mirror

allegedly was a narcotics device. A further

look around turned up a plastic bag that

RUBBER CHECKS WRITTEN

the damage to the vehicle.

his possession.

the hallway of the Navy-owned dwelling.

Police

'Moving Ahead Together' theme for Fed'l Women's Day July 15

An outstanding program has been planned for Federal Women's Day, sponsored by the Federal Women's Program Committee. Theme of this year's special day, scheduled for Wednesday, July 15, is "Moving Ahead Together."

All men and women throughout the Center, both civilian and military, are Laboratory Conference Room, will encouraged and welcome to attend any or all of the special presentations.

The morning's events begin with a discussion on "Overcoming Computer Anxiety," starting at 8 a.m. in the Michelson Laboratory Auditorium. The discussion will be presented by Ed



Dr. Rita McCullough Schramko, a mathematician, who heads the Integrated Data Management Branch of the Computer Division in the Research

the same place will be a panel discussion about supervising men and women. Panelists who have already been selected include Eva Bien, head of the Personnel

Following this from 9 until 10:30 a.m. in

Installing proper insulation in house can save owner 20% in cost of cooling

home owner as much as 20 percent of the cost of cooling.

especially for persons who have burning a wooden match.) refrigerated air conditioning, even spending several hundred dollars to in the local area should be greater than R-10 insulate a house adequately is a worthwhile for walls, R-20 for roofs, and R-7.7 for floors.

About 9 percent of the cost of cooling a house can be saved if ducts in an attic are temperatures and outside temperatures by well insulated. Ducts carrying cold air turning up the summer thermostat setting through a superheated attic waste cooling from 72 degrees to 78 degrees. power unless they are insulated to "keep

The effectiveness of insulation depends on value. The R-value equals the number of meeting on Thursday, July 2, at 65-B Halsey hours required for a BTU of heat energy to Ave., China Lake, starting at 7:30 p.m.

Squadron Five, who was the first woman to qualify as a Navy jet pilot; Charles Goff, a budget analyst; and Elaine Wunderlich, a financial management advisor.

A film, entitled "Killing Us Softly," that starts at 10:45 a.m. in the Michelson complete the morning's program. The film depicts advertising's view of women.

A highlight of the day will be a talk by Dr. Rita McCullough during a lunch meeting at the Enlisted Mess. Her speech, entitled "Caterpillars Do Become Butterflies," promises to be outstanding.

Dr. McCullough, who received her doctorate in clinical psychology from the University of Oregon, is a licensed California psychologist and has been associated with the Desert Counseling .Clinic in Ridgecrest for a total of five years.

Luncheon reservations will be required and should be made promptly because of limited seating. They may be made by telephoning NWC ext. 2634. A \$3 charge will be made for either a chef salad or club sandwich lunch.

The afternoon session will begin with another presentation of the film "Killing Us Softly" - this time in Lauritsen Laboratory conference room No. 1.

Mary Ellen Mead, a broker at Merrill Lynch, Pierce, Fenner and Smith, who presented two talks on investments and other financial matters during last year's Federal Women's Day, will again share some of her expertise with Center personnel in two sessions concluding the day's

The first session will begin at 1 p.m. and the second at 2:45; both meetings will be held in the Michelson Laboratory Auditorium to provide adequate room for

the large number of attendees expected. Ms. Mead, who is a Phi Beta Kappa graduate in economics from Stanford University and holds two master's degrees from Claremont Graduate School, will Department; Capt. Gerry Lee, head of the discuss investments, bonds, stocks, and how Supply Department; LCdr. Rosemary to interpret financial information.

Proper insulation in a house can save the travel through a square foot of surface with

a 1 degree Fahrenheit temperature difference between the two surfaces. (One Considering the rising cost of energy, BTU is about equal to the heat released by The recommended R-value for insulation

> Another way to cut energy costs is to lessen the difference between inside

Metal Trades Council

The Indian Wells Valley Metal Trades its resistance to heat flow, measured in R- Council will hold its next regular monthly

The Rocketeer Official Weekly Publication Naval Weapons Center

China Lake, California Captain W. B. Haff

NWC Commander

R. M. Hillyer

Technical Director S. G. Payne

Public Affairs Officer Don R. Yockey

Editor

Mickey Strang Associate Editor

Beverly Becksvoort Editorial Assistant



News Stories Tuesday, 4:30 p.m. **Photographs** Tuesday, 11:30 a.m. The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P-35 revised May 1979. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in The Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003.

Promotional opportunities

sonnel Department, Bldg. 34. Unless otherwise specified in an ad, applications for positions listed in this olumn will be accepted from current appointable (i.e., career/career conditional and VRA) NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Advertising positions in the Promotiona Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X-118C. Applicants will be evaluated on the basis of experience training, education, and awards as indicated in a written record consisting of a SF-171, at least one super visory appraisal if it can be obtained, and any tests, medical examinations, interviews, and suppleme fications 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 Weapor Center is an Equal Opportunity Employer; selections are made without discrimination for any nonme

incement No. 00-011, Secretary (Typing), GS-318-4, secretarial support to the Office of the Technical Director and the Assistant to the Executive Committee. Duties nclude: maintaining calendar; setting up regular and special conferences and meetings; receives and directs visitors and phone calls; reviews and prepares dence; receives and screens incoming mail; etc. Job Relevant Criteria: Ability to perform receptionist hone duties; ability to review, control, screen and distribute incoming mail; ability to review outgoing dence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the istrative needs of the office; ability to train clerical nel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate upervisor's calendar and to arrange conferences motion potential to GS-5. Supplemental Qualifications Statement required, along with 171. Supplemental available in the Personnel Bldg., Rm. 208, from Susie

cement No. 0848, Voucher Examiner, GS-540, 3/4/5, PD No. 7608040N, Code 08642 - This position is located in the Travel Office, Civilian Pay Travel Branch Accounting and Disbursing Division, Office of Finance and and/or typing of vouchers for settlement of travel claim: for military and civilian personnel; reviews and determines eligibility and payment of expenses on travel claims presented for payment; aids claimants in preparation of itineraries. Job Relevant Criteria: Ability to type; ability to work with figures; ability to work rapidly and ac-

DA-334-3, PAC No. 8008042E, Code 0824 - This position is located in the Plans and Analysis Branch, Management Division, Office of Finance and Management. This position is essentially that of a data manager for the branch. The nt works with other Center personnel to help define their planning, management and forecasting data requirements. The position is designed to serve as a source for management and planning systems and reports, particularly for the technical departments. Job Relevant Criteria: Knowledge of existing NWC management data systems; knowledge of ADP systems analysis and design techniques; knowledge of computer including computer programming and

ent No. 1204, Operations Research Analyst, DP-1515-3, Mathematician, DP-1520-3, Physicist, DP-1310-3, Aerospace Engineer, DP-861-3, Electronics Engineer, DP-855-3, (Interdisciplinary) PAC No. 8012509, Code 121 -This position is located in the Weapons Planning Group; the Foreign Materiel Exploitation Coordinator is onsible for: (a) Informing Center management as to the status of NWC foreign materiel exploitation in olvements; (b) ensuring a continuing dialog with Navy, Army, Air Force, and other agencies concerned with FME; (c) initiating and/or identifying new FME opportunities and bringing them to the attention of Command, the Laboratory Director, and appropriate department heads; (d) coordinating NWC responses to ex ploitation requirements requests from the intelligence nity; (e) developing, in conjunction with the technical departments, the Center position/plan in regard to technical participation in specific FME opportunities This responsibility includes the authority to coordinate departmental support while keeping the Laboratory Director informed; (f) assuring adequate reporting o Center FME projects and developing the reporting ment; (g) representing the Center support where required Frequent travel is required. Job Relevant Criteria products, services and regulations; understanding of intelligence products (particularly FME) and their uses and value to RDT&E; ability to deal tactfully and effectively with all levels of NWC employees and national intelligence community employees; ability to plan, organize and acomplish work independently; ability to write clear and concise tasking statements; ability to present clear and concise reports. Incumbent must meet all security standards required to qualify for access to sensitive compartmented information (this is an absolute requirement)

Announcement No. 25-054, Supervisory Supply Technician, GS-2005-8, PD No. 8025042N, Code 2575 - This position is that of head, Receipt Control Branch, Control Division, Supply Department. The branch is responsible for exercising control over material and/or services received or due from government, commercial, or other sources. The incumbent manages an organization of fifteen

Training class



To enroll in the following classes students should submit NWC Training Request and Authorization Form 12410 73, via department channels, to reach code 094 before the deadline listed. If han dicapped indicate need for first floor room location on training request.

53500V-Technical Presentations; July 27-28, 8 a.m. to 4 p.m. Instructor: Dr. Miriam Cartwright.

cumbent is responsible for training, recompromotions and awards, and initiating disciplinary action sible for the detailed planning, directing and coordinating of the receipt control function to ensure processing of paper work in a timely manner in order to eet schedules and to prevent loss of discounts, and to revise work functions. The incumbent analyzes the receipt control function and computer reports to identify problem areas and recommend potential changes. Also maintains close liaison with a variety of Center employees to provide material receipt information and order status information Job Relevant Criteria: Willingness to support NWC and Federal EEO Program; ability to supervise an nization through subordinate supervisors; knowledge of the Federal Supply System; knowledge of supply func tions and procedures; use tact in dealing with on and off-Center personnel; ability to work well under pressure. available from Kate Clark, Room 100, Personnel Bldg. Applications will be accepted from status eligibles.

ent No. 26-099, Electrical Engineering Technician, GS-802-9,10 or 11, PD No. 8126021 E, Code 2635 (one position). Position is located in the Electrical Branch, Engineering Division, Public Works Departme umbent performs design and development of facility related projects including requirements definition, load analysis, and engineering studies. Job Relevant Criteria: Knowledge of electrical design; knowledge of National Electrical Code; ability to perform engineering

Announcement No. 32-017, Secretary (Typing), G5-318-6, PD No. 8032033, Code 32 — Incumbent serves as secretary the head, Ordnance Systems Department, provides office services, assures that the secretaries within the department receive proper training and direction in the performance of their duties, maintains close liaison with nistrative and budget personnel. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute ning mail; ability to review outgoing correspon ability to compose correspondence and/or to prepare nontechnical reports; knowledge of filing systems and files ent; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange con ferences. (This position has promotion potential to GS-7; wever, promotion is not guaranteed.) Supplemental qualifications statement is required and may be picked up plicants who were rated eligible need not reapply

Announcment No. 32-018, Supervisory Aerospace Engineer, Supervisory General Engineer, DP-861-3/4 PAC No. 8032740, Code 3274 — This position is that of head, Solid oulsion Branch, Ordnance Systems Department. The



DIVINE SERVICES

Sunday Worship Service 0830 Sunday School - All Ages Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Communion Service first Sunday of the Month. ECUMENICAL Wednesday Noon Bible Study 1130 Thursday Men's Prayer Breakfast 0630

ROMAN CATHOLIC MASS 0830-1130 Nursery, Chapel Annex 1 0815-1245 Daily except Saturday, 1135 Blessed Sacrament

> CONFESSIONS 0800 to 0825

Sunday 1100 to 1125 RELIGIOUS EDUCATION CLASSES Sunday Pre school thru 11th grade 1000 Above classes are held in the Chapel Annexes

across from the former Center Restaurant Sunday afternoon 12th grade 1630 As announced "Home" Discussion Groups and Youth Rallies Contact Chaplain's Office for specifics

JEWISH SERVICES EAST WING - ALL FAITH CHAPEL Sabbath Services every Friday UNITARIANS CHAPEL ANNEX 95

Sunday Services (Sept.-May)

Softball scores . . .

(Continued from Page 6)

up two runs short. The High Desert Home Center team scored 4 runs in the first inning and 4 more in the sixth and final inning of play to clinch its 13-5 win over the IWV Dairy squad. Cheryl Radcliff, of High Desert Home Center, was the game's leading hitter with a triple, a double, and a single in three times

Scores of other Women's Division games were: Hot Trotters 16, IWV Dairy, 13; High Desert Imports 23, Home Town Realty 16: Kelly's Earthworks 26, Rosas Roofing 2; and Rosas Roofing 17, NWC Gatlin Girls 6. In addition, the game between the Hot Trotters and Fox Trotters was suspended due to lack of time, with the Hot Trotters leading by a score of 24-0, and the High Desert Import team won by forfeit over the NWC Gatlin Girls.

In the three-team Military Division, the Rippers won two games last week defeating the Oly's and the Tigers by scores of 15-13 and 15-9, respectively.

The Rippers trailed Oly's 13-7 after four innings of play, but tied the score at 13-13 in the bottom of the fifth inning and then tallied five more times in the sixth to win by a score of 18-13. Kent Daniels hit a pair of triples and two doubles in four times at bat to lead the Rippers at the plate in their game against the Oly's.

The Rippers bunched their runs in the third, fourth and fifth inning to build up a 15-6 lead over the Tigers, and then held on for a 15-9 final margin of victory.

ent is responsible to the head, Propulsion Systems

Division for the accomplishment of the following functions:

Design and development of propulsion systems for

weapons, weapons systems analyses, development of

veapons, proposal of advanced weapon concepts, coor

dination of weapons feasibility demonstrations and/or

experimental development projects with the branches, divisions, departments of NWC and at other installations,

review and technical guidance to project teams, and in-

tegration of the work of the project teams into an overall

branch output. Job Relevant Criteria: Ability to manage project teams and individuals in an effective manner and

n consonance with EEO/Affirmative Action Programs;

knowledge of and ability to implement sound planning and

administration practices in the directing of development

programs; knowledge of propulsion systems and weapon

design; and knowledge of quality assurance, reliability and

design. (If filled at DP-3 level, incumbent may be non-

competitively promoted to DP-4 at a later date; however,

Announcement Number 33-013, Electrical Engineer, DP. 850-2/3, PAC No. 8033680E or Electronics Technician, GS-

802-11, PD No. 8133023, Code 33061 — This position is located

in the Applications Group of the Interactive Graphics

Upward Mobility Program Register

The Upward Mobility Register may be utilized to

fill a variety of administrative and technica

positions which are established or become vacant in

grades GS/WG-1 through GS/WG-9, with the ex-

ception of professional positions that have a positive degree requirement. Applications will be accepted

from current career and career-conditional Naval

Weapons Center and Navy employees, GS/WG-9 and

below, who have completed the 90-day time-after-

competitive appointment, employees on VRA ap-

pointments and employees on handicap ap-pointments under Schedule A 213.3102 (U) and

Schedule A 213.3102 (T). For purpose of this register employees who will have completed their 90-day

time-after-competitive appointment requirement by

the closing date of this ad will be considered eligible

to apply. There is no minimum experience o

The following skill areas will be assessed for

potential performance: Ability to express one-self

orally; ability to express one-self in writing; ability

to interpret and apply instructions and procedures;

others; flexibility/adaptability; dependability;

ability to work independently; and interest in

electronics (only used for Electronics Technician

position). Applicants will be rated on all of the above

skill areas. Selecting officials will select criteria

relevant to their particular vacancy and lists of

received in those selected skill areas. Do not submit

To apply you must call NWC ext. 2069 no later than

July 2, 1981. All eligible applicants, are requested to

attend an orientation to be held at the Community

Center on July 14, 1981 at 12:30 p.m. At that time they

will receive the background questionnaire and other

related information. If you are unable to attend the

orientation, it will be your responsibility to pick up

required paperwork at the Training Center ho later than July 17, 1981.

Employees on the current Upward Mobility

Register may not attend this assessment/career

development process and will be contacted regard-

ing their status. Those employees, who participated in assessments on or after August 1979 are currently

If you should have any questions regarding the

Upward Mobility Register, please contact Tina

on the Upward Mobility Register.

Rockdale, at NWC ext. 2657 or 2069.

eligibles will be established based on ratings

initative; analytical ability; ability to work with

mentation procedures for propulsion and weapon



ROCKETEER

WELCOMED INTO FLEET RESERVE - During a ceremony attended by Capt. William B. Haff, NWC Commander (at left), free one-year memberships in Branch 95 of the Fleet Reserve were presented to two sailors who recently re-enlisted for the first time. AQ1 Larry Woeller (at right) president of the FRA, and Art Trent, a past president, extend a welcome to AT2 Randy Sunday and PR3 Waymer K. Johnson, who shipped over for six and four years, respectively. AT2 Sunday is a night check supervisor in Hangar 3 at Armitage Airfield, while Johnson, a parachute rigger, is assigned to the Aircraft Department's Line/Support Branch.

Savings Bond campaign now in progress

All hands are reminded that the annual Savings Bond campaign is now in progress, and will continue through next Thursday, July 2. Literature regarding the Savings Bond program was distributed with paychecks last week. Included with the informational literature was an enrollment card.

Employees who want to enroll in the Savings Bond program or increase a current enrollment should complete the card and forward it to the Payroll

Promotional opportunities-

is responsible for the procurement, integration and con-

inued support of interactive graphics systems at all

NAVMAT R&D Laboratories. The Applications Group will

be primarily involved with developing documentary con-

figuration management of the software and training people

in the use of application packages. Job Relevant Criteria:

Knowledge of electrical applications of computer graphics

is desired; ability to effectively communicate with people

at various technical and management levels within

Announcement No. 34-010, Visual Information Specialist

(Presentations), GS-1085-9, PD No. 8134021, Code 3443 -

This position is located in the Visual Media Design Branch,

Graphic Arts Division, Technical Information Depart

ment. This branch designs, develops, and produces visual

media graphic material for presentation purposes. The

incumbent plans and develops layouts, sketches, and final artwork for technical briefings and presentations. Other

duties include preparation of other special visual media

material such as plaques, medallions, and models. Job Relevant Criteria: Skill in oral communications; skill in

Illustrating abstract technical concepts; skill in designing

ncement No. 35022, Secretary (DMT), GS-318-5,

and creating art work; knowledge of multi-image

PD No. 7335088N, Code 355 — This position is located in the

Electronic Warfare Department, EWTES Division. The

duty station is the Randsburg Wash Test Site (Echo

Range) and is on the first-forty work week (10 hours per

day - Monday through Thursday.) Navy transportation is

available to and from the worksite. Incumbent will provide

secretarial support to the division head and be responsible

for the smooth, administrative operation of the division

office. Job Relevant Criteria: Ability to perform recep-

tionist and telephone duties; ability to review, control,

screen, and distribute incoming mail; ability to review

outgoing correspondence; ability to compose correspon

dence and/or to prepare non-technical reports; knowledge

of filing systems and files management; ability to meet the

dministrative needs of the office; ability to train clerical

personnel and organize workload of clerical staff or

processes; ability to plan and coordinate travel

arrangements; ability to maintain and coordinate

upervisor's calendar and to arrange conferences. A

Special Supplemental Qualifications Statement is required

sonnel Bldg. to be returned with the SF-171. Applications

will be accepted from reinstatement/status eligibles.

vacancies) This position is located in the Data Acquisition

and Control Branch, Technical Data Division of the

Engineering Department. The branch provides data

planning and configuration services including iden-

Center program data requirements. The GS-5 grade level

represents the trainee level of this series. The incumbent

receives training in each area of the Technical Data

Division to develop the basic skills needed for data and

configuration management work. This training is designed to provide experience in the practical application of data

and configuration management principles and procedures,

to develop familiarity with the rules, regulations, and

procedures needed to perform work at higher grade levels.

The GS-6 grade level represents the intermediate level of

the series. All the duties of the GS-5 level are performed but

with a lesser degree of supervision and an increase in in-dividual responsibility. Job Relevant Criteria: Ability to

read, comprehend, and apply written materials; ability to

learn new procedures; ability to make decisions and ac-

cept reponsibility for actions; ability to use tact and accept

written form; ability to work without close supervision.

riticism; ability to communicate both orally and in

Announcement No. 3631, Editorial Assistant, GS-1087-4/5.

located in the Technical Data Division of the Engineering

32N/7936033N, Code 3656 — This position is

ification, preparation, acquisition, and administration of

GS-301-5/6, PD No. 8136024N, Code 3651 -

nouncement No. 3630, Engineering Data Technician,

Previous applicants need not apply.

and must be picked up from the receptionist in the Per-

production techniques. Promotion potential to GS-11.

ernment and private indusiry.

Office, Code 08641 (military enrollment forms should be forwarded to the PSD

As of May 1, 1981, the interest rate on Savings Bonds was increased to nine percent when held to maturity of eight years. Interest after the first year is six percent and after five years is 81/2

Additional information can be obtained by calling Nancy Cleland at

trainee/intermediate level range of editorial assistant

documentation preparation programs. In addition, the

Incumbent receives basic training in specifications writing and editing and associated technical disciplines to provide

greater understanding of the overall specifications

(technical document) preparation cycle. Job Relevant Criteria: A general knowledge of engineering technology,

preparation of specifications and other technical

documents; ability to interpret documents to ensure

consistency and clarity of expression; ability to locate

both orally and in writing; ability to work as a team

nember with specialists involved in the preparation o

Announcement No. B-62-6, Secretary (Typing), GS-318-4,

PD No. 8162022N, Code 6243 — This part-time position is

located in the Range Department's Telemetry Technology

Branch. The incumbent screens visitors and incoming

telephone calls. Prepares and edits correspondence sub-

mitted by personnel in the branch. Responsible for proper

format, address, correct distribution and security

classification. Performs timekeeping duties, arranges

conferences, maintains files. Job Relevant Criteria:

Ability to perform receptionist and telephone duties;

mall; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files

the office; ability to train clerical personnel and organize

workload of clerical staff or processess; ability to plan and

coordinate travel arrangements; ability to maintain and

coordinate supervisor's calendar and to arrange con-

erences. Supplemental Qualifications Statements are now

the reception desk in the Personnel Bldg. Status eligibles

PD No. 8108016N, Code 081 — This position is located in the

Weapons Systems Cost Analysis Division of Code 08. The

incumbent will assist division analysts by obtaining and

this data, preparing and inputing data, statistical test and

analysis of generated cost data, and presentation.

TRAN and BASIC; ability to work well with others.

statistical cost data. Job Relevant Criteria: Knowledge of

statistical methods and procedures; knowledge of FOR-

\$5.49 per hour plus benefits, permanent, full-time, Golf

Course — This is not a Civil Service position. Duties: In-

spect and repair gasoline and diesel powered tractors,

trucks, sweepers, mowers, and other equipment used in

maintenance of golf course; repair motors, valves, trans-

missions, differentials, carburetors, distributors, fuel

pumps, steering systems, starters, generators, alter

nators, universal joints, hydraulic systems, and high

and hydraulic brakes; install batteries, tires, wiring, and

glass; do some machining and welding, painting, body and

of maintenance. Qualifications: Must possess knowledge of

light and heavy equipment used in construction and maintenance and automotive apparatus; must be able to

use a variety of electrical, hydraulic, automotive, diesel,

small engine equipment repair tools and have the ability to make various types of mechanical repairs; possess a

knowledge of theory, care and operation of internal com-

bustion engines; must be able to diagnose mechanica

trouble and determine appropriate maintenance work. Will

be on an "on-call' basis on weekends and after normal

working hours.

be required to make emergency repairs in the field and will

Apply for non-Civil Service positions with Marsha

French, Personnel Office, Rm. 206, Ph. 2723.

ender work; establish and maintain records and schedule

pressure pumps and valves; install and adjust mechanica

Announcement No. GS-842, Auto Mechanic, NA-5823-8,

impiling cost data, modifying programs to manipulate

required for Secretary applicants, and may be picked up at

incement No. 0850 Statistical Assistant, GS-1531-5,

nagement; ability to meet the administrative needs of

ability to review, control, screen, and distribute incomir

format requirements, and style associated with

sources of technical information; ability to com-

technical documents. Promotion potential to GS-6

reportedly contained a green, leafy

Information, given initially to the China Lake police about a male patron at the Navy Exchange who cashed checks at the NEX without having insufficient funds to cover them, has been turned over to the Naval duties in support of the specification and other technical Investigative Service to handle.

> Several checks totalling \$636 were written during the period between May 13 and May

NAVY CLOTHING TURNS UP

While handling a disturbance Monday afternoon in Ridgecrest, Kern County Deputy Sheriffs encountered a suspect who reportedly had a cold weather jacket (marked "NWC") and two pairs of Navy green coveralls in his possession. The deputies informed China Lake police, who are checking to determine whether or not the individual in question was authorized to have such items of Navy clothing in his

VEHICLE VIOLATIONS CHECKED

Checks run last week on two motorists who were stopped while driving vehicles with observable defects on board the Center turned up two persons who had outstanding Vehicle Code violations on their record.

Both were arrested and transported to the Kern County Sheriff's Office in Ridgecrest, where they posted bail and were released. The warrants the two motorists had failed to heed had been issued by Municipal Courts in Orange County and in Monterey County.

Tourney results . . .

(Continued from Page 6)

two at El Charro Avitia for winning the Intermediate Division. Other prizes were gift certificates worth \$20 and \$10 that went to Dominguez and Hayworth.

Robert Cubit defeated Fritz Artz 21-4, 21-18, to win the Novice Division of the racquetball tourney.

In the semi-final match in this division, Cubit was defeated 21-4, 17-21, and 11-5 by Artz — a loss that dropped him into the losers' bracket where he then outscored James French (21-2 and 21-9).

In this double elimination event, Cubit then had to defeat Artz twice (which he proceeded to do by scores of 21-19, and 21-13, and in their third match, 21-4, and 21-18) to win the Novice Division title.

For his efforts, Cubit received a trophy and dinner for two at El Charro Avitia, while Artz and French, who placed second and third, respectively, won gift certificates worth \$10 and \$5 each.

Results reported of racquetball tourney held last weekend

A total of 33 racquetball players competed in a double elimination tournament held last weekend at the Center's racquetball courts.

Depending upon their playing ability, those entered in the tourney were placed in the advanced, intermediate or novice

Tom Dodson, the victor in the Advanced Division, was extended to three games by Tim Jenkins in the championship match before winning it by scores of 15-21, 21-12,

Enroute to the title in the Advanced Division, Dodson defeated Steve Reed, (21-8, 21-12), Dave Worscheck, (21-2, 21-16), and Jenkins (in their first match) 21-13, 21-17.

Knocked into the losers' bracket, Jenkins defeated Worsheck 21-10 and 21-9, to earn the right for another crack at Dodson for the tourney title, which he lost.

For winning the championship of the Advanced Division in the racquetball tourney, Dodson received a trophy and a dinner for two at El Charro Avitia restaurant in Ridgecrest. Jenkins and Worscheck, who placed second and third, respectively, received \$10 and \$5 gift certificates that are good for use at recreation facilities on the Center.

In the Intermediate Division, the title went to Michael Fedak, who defeated Richard Dominguez 21-11, 21-11, in the championship match.

Fedak was undefeated in tourney play. In the first four rounds he outscored Louis Albright (21-18 and 21-10), Del Kellogg (21-5, 21-4), Dan Lee (21-12 and 21-15), and Dominguez (21-10 and 21-14).

Dominguez fought back from the losers' bracket, where he posted a win over William Hayworth (7-21,-21-1 and 11-5) to earn the right for a shot at the championship of the Intermediate Division against Fedak, which

Runners-up in this division were Dominguez, second; Hayworth, third; and Lee, fourth.

Fedak received a trophy and a dinner for (Continued on Page 7)

16 teams entered in softball tournament set Saturday, Sunday

Eight local teams and an equal number of trailing with 21 points. out-of-town entries will be competing in this
In the critical game of the slow pitch double-elimination event that will get un- softball series between VX-5 and NWC Gold. derway at 8 a.m. tomorrow at Schoeffel Mike Leitzel got the Vampires on the Field and at the Knox Road softball scoreboard in the first inning with a home

scheduled to start at 8 p.m., and action will its turn at bat in the top of the second frame resume at 9 a.m. Sunday. The championship when Larry Crosson, who was safe at first contest* tentatively is scheduled at 1 p.m. on a fielder's choice, tallied on a hit by John

The tourney sponsor will have two local VX-5 came up with another run in the last teams entered - the Pizza Villa Villains and half of the second. Gerald Carter drove in Pizza Villa. Other hometown entries from Jeff Winston, who was safe at first on a the Ridgecrest Recreation Department's fielder's choice play. Slow Pitch Softball League are the Leading 2-1, the Vampires scored four Renegades, Stare Montagne, Knights, runs in the third inning - enough as it

Visiting teams scheduled to play are During the bottom half of the third frame Pahrump, Nev.; Mean Machine, from Los base runners to advance, but not score. Angeles; and USA Petrochem, from Ven- Successive hits by Dan Ward, Jess

Softball league American Div. lead changes hands

the men's open Slow Pitch Softball League this six-inning game. Dale Evans hit a home was taken over last week by the Stare run in a losing cause for the Villains. Montagne squad, which pinned a 14-13 loss on the Pizza Villa Villains of the National

Stare Montagne got things rolling early in Meanwhile, the Pizza Villa team of the its game with the Villains by outscoring . American Division remained in second them 9-6 in the first two innings of play. As it turned out, Stare Montagne needed every of a 11-1 defeat at the hands of the Knights run it could muster, since the Villains put and a 17-10 win over the Clancey's-Home

First place in the American Division of together a rally that fell just 1 run short in Center squad

The Villains then were forced into an extra inning of play by ARCS, before exploding for 7 runs in the top of the eighth to win The Villains, whose record of 7 wins, a this game 10-3. The low-scoring game had loss and a tie (as of June 19) makes them been tied 3-3 at the end of regulation 7-inning the front runners in the American Division, playing time. Evans and Brant Tunget were then bounced back with a 10-3 win over the power hitters with one home run each for the Villains.



ROCKETEER

RUNNER SAFE AT THIRD - Dan Ward, of the VX-5 slow pitch softball team, makes the dirt fly as he hustles in to third base during this bit of Commander's Cup slow pitch softball action between VX-5 and NWC Gold. Roger Burbrink, third base coach for VX-5, has his eye on the ball as he signals for Ward to hold up at third, where Rick Feauto of NWC Gold, is waiting for the toss from the outfield. Looking on from his shortstop position is Ken Dorrell of NWC Gold. VX-5 won this game by a score of 6-5, and also captured the Commander's Cup athletic trophy for 1980-81.

'80-81 Commander's Cup athletic trophy won by VX-5 Vampires

Another year of Commander's Cup athletic competition went into the books last week, with the championship for 1980-81 going to VX-5 Vampires.

The Vampires, who were favored to capture the Commander's Cup trophy, needed a first or second place in slow pitch softball to clinch the title and they picked up wins at the expense of NWC Blue (a 7-0 forfeit) and then edged NWC Gold by a

The loss by forfeit to VX-5 fired up the NWC Blue team, which took it out on NWC Gold by pounding out a 15-4 win when these two teams tangled.

Final standings in the Con be held Saturday and Sunday at China Lake. NWC Gold second with 31, and NWC Blue

The final games on Saturday are The NWC Gold team tied the score during

ARCS, NWC O's and the ERA Raiders. turned out later to win the game.

Guilligan's, from Barstow; Baby Sting, for VX-5, Rick Muoio was safe on an error Musch's Plumbing, and the Montgomery and Roger Burbrink came through with a Pass Aces, all from Bishop; Bolling Con- hit. The next two batters - Mike Leitzel and struction, and The Salon, both from Tom Stone - both flied out enabling the

enable Winston to score run No. 4 in the third inning for the Vampires, who moved ahead by a margin of 6-1.

Both teams were scoreless in the fourth and fifth innings of play, but in the top of the sixth a triple by Walt Merchant drove in John Martin of NWC Gold to cut the VX-5 lead to 6-2.

During the Gold team's last time at bat in the top of the seventh, Harold Parker banged out a single and scored on a base hit by John Kerr. Rick Feauto then drew a walk and both Kerr and Feauto advanced on a sacrifice fly off the bat of Ken Dorrell.

This set the stage for a single by Larry sored by the Pizza Villa in Ridgecrest, will competition were VX-5 first with 38 points, Clawson that drove in two more runs for NWC Gold. It was too little, too late, however, as VX-5 retired the side and came away with a 6-5 victory over NWC Gold.

Clawson, of NWC Gold, was the game's leading hitter with three hits (all singles) in four times at bat.

The bad taste left by NWC Blue's forfeit loss to VX-5 (due to inability to get enough players out for the game) inspired the Blue team to get things together for a 15-4 defeat of NWC Gold on the final day of the Commander's Cup softball competition.

The NWC Blue started fast and kept the pressure on by scoring 15 runs in the first three innings of play before their opponents could get on the scoreboard.

In the abbreviated, 5-inning contest, NWC Gold picked up four runs during its last two times at bat, but the issue was settled in favor of NWC Blue, which had the game in the bag and coasted to an easy victory.

Heavy hitters for NWC Blue were Chris Long and Ken Daniels, who each had home runs, as did Rick Feauto for NWC Gold. Daniels was three for three at the plate, including a triple and a double to go with his Winston and Joe Sweeney each drove in a home run for NWC Blue.

The Knights made it look easy as they outhit Pizza Villa 12-4 and broke open a 1-1 tie with 5 runs each in the fourth and fifth innings to win going away. Rocky Groves and Mike Stanford had home runs for the Knights in their surprise victory over Pizza

The following night, the Pizza Villa team ran truer to form by posting a 17-10 victory over the Clancey's-Home Center team. In 41/2 innings of play, the pizza burners built up a 13-2 lead to put the game on ice.

Scores of other men's slow pitch softball league games played last week were: NWC Varsity 9, ARCS 8; NWC Varsity 11, ERA Raiders 9; Clancey's-Home Center 14, Vaughn's 2; NWC O's 15, High Desert Saloon 5; and Renegades 30, CSC 1.

The NWC Varsity made every hit count as it scored 9 runs on 9 hits to edge ARCS 9-8. The NWC team built up a 9-3 lead in the first four innings of play and shut out the ARCS squad during the second through fifth frames. In the sixth inning, however, ARCS tallied 4 runs to put the pressure on the NWC Varsity defense, but it held, giving up just 1 more run in the top of the seventh of what was a hard-fought ball game.

The NWC Varsity also was put to the test by the ERA Raiders during a game that was tied 7-7 after five innings of play. In the crucial seventh inning, the NWC Varsity outscored the Raiders 4 runs to 2 to win the

The winless Vaughn's team was struck down 14-2 by Clancey's-Home Center. Drew Martin and Mike Graham paced an 18-hit attack with home runs for the victors.

In two other one-sided games, the NWC O's scored 11 runs in the second inning enroute to a 15-5 win over High Desert Saloon, and CSC avoided a shutout in its 30-1 loss to the Renegades when Rudy Muro, of CSC, hit a home run in the fifth and final inning of the game.

Two wins by the High Desert Home Center team, coupled with a loss by CSC to Kelly's Earthworks left the CSC and High Desert Home Center teams tied for first place last week in the Women's Division of the Slow Pitch Softball League.

Kelly's Earthworks outhit CSC, the previous division leaders, 20-7 on the way to a clearcut 17-5 win. Kelly's girls piled up a 14-4 lead in four innings of play, and it was all over except for the shouting.

The High Desert Home Center team improved its season record at the expense of the High Desert Imports and IWV Dairy teams - defeating them by scores of 9-7 and 13-5, respectively. High Desert Imports fell too far behind in its game with the High Desert Home Center team and, despite a 6run flurry in its last two times at bat came

(Continued on Page 7)

Adult soccer team to play squad from George AFB Sunday

A China Lake adult soccer team will host a visiting squad from George Air Force Base in a game to be played at 5 p.m. Sunday at Davidove Field. The China Lakers won the last match

played between these two teams - relying on penalty kicks to post the victory. Prospective players for the China Lake adult soccer club in Sunday afternoon's

game, and the positions they play, are:

Klaus Schadow, Jeff Grossman, Paul Weimholt and Gus Hernandez, forwards; Karl Kauffman, Jim Moore, Dave Tavares, Jose Hernandez, and Mario Gomez, midfield; Greg Cote, Steve Bollenbaugh, George Mills, Harold Nelson, Ross Heimdahl, and Steve Lee, defense;

> Adult Soccer League Final Standings

and John Lloyd, goalkeeper.

Won Lost Tied Rebels2 Rousers 0

3 Air Force cadets participate in research programs

ROCKETEER

June 26, 1981

Academy cadets who are participating in a NWC personnel who have become directly six week research program at the Naval involved." Weapons Center. They are Cadets Scott Cadet Engen, 21, an engineering Engen, Dan Hargrove and Steve Marsh- mechanics major at the USAF Academy, is

According to Lt. Col. James Gibbons, USAF Liaison Officer, who initiated the program, "this is the first time Air Force Academy cadets have been sent to a Navv research and development organization. It's appropriate that NWC should be the first Navy facility to participate in this program. Indeed, it's illustrative of NWC's long history of innovativeness."

The program is designed to give a select number of senior cadets, who are in the top



MINOR ADJUSTMENT - Cadet Dan Hargrove, whose summer research assignment involves use of the ultrahigh vacuum laser damage chamber, fine tunes this piece of equipment in preparation for test work dealing with optical surfaces and laser damage

five percent of their class, meaningful and substantive 'hands-on' experience in the fields of research and development, experience that will serve to educate,

Col. Gibbons emphasized that this program could not have been established here at the Center without the "enthusiastic Commander, and Bob Hillyer, Technical Center," Cadet Hargrove commented.

Director. "It was they who really made it.

working on the Sidewinder missile Closed Cycle Cooler program during his six weeks at the Center. His asssignment involves a thermal

analysis on the compressor housing of the missile's Closed Cycle Cooler under the tutelage of Gene Jaeger and Dick Compton, employees of the Engineering and Ordnance Systems Departments, respectively

Upon graduation from the Academy next year, Cadet Engen hopes to begin a flying career with the Air Force. Prior to entering USAF Academy in Colorado Springs, he was graduated from Southwest High School in Minnneapolis, Minn.

EDUCATIONAL OPPORTUNITIES TOPS Commenting on the educational opportunities at the Academy, he said, "All of my instructors are Air Force officers, although the school does have a few visiting professors from other institutions. I enjoy the personal attention given by the Air Force officers. They're very helpful. If I have a problem academically, they're always willing to take the time to sit down with me personally." He also noted that most classes range in size from 12 to 15 students. "This allows for more personal attention," he said.

"This is a really good program here at the Naval Weapons Center, A cadet's summer is broken up into three three-week periods, and most cadets change programs every three weeks. The exception is a summer research program that allows cadets to devote a total of six weeks for a more comprehensive and extensive learning experience," he added.

Engen plans to spend three weeks visiting his family in Minneapolis following his assignment here at the Center.

ASSIGNED TO RESEARCH DEPT.

Cadet Hargrove, 21, a physics major at the Academy, is assigned to the NWC Research Department's Physics Division. He's involved in work dealing with optical surfaces and laser damage assessment. develop, and motivate future Air Force Drs. James Porteus and Steven Seitel are supervising his activities.

'Hopefully I'll be able to apply some of what I've learned at the Academy and observe the results in a real world support" of Capt. William B. Haff, NWC environment here at the Naval Weapons

He went on to say, "I may go into "Welcome Aboard" to three Air Force all possible. Our thanks also go out to all the research and my experiences here at NWC will give me a better feel for what research is like, and whether or not I'd like working eight or nine hours a day in a laboratory. Right after graduation, however, I plan to enter undergraduate pilot training. If this becomes a reality I'll be assigned as a pilot' to operational USAF organizations for six or so years following graduation. Consequently, I won't have an opportunity to go directly into laboratory work unless for some reason I can't fly."

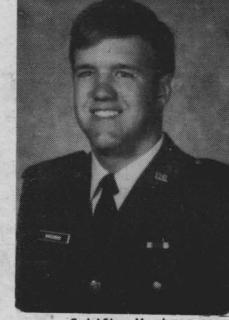
PARENTS IN WASHINGTON

The parents of Cadet Hargrove moved recently from San Bernardino to Washington, D.C., where his father is attending the Defense Intelligence School in preparation for a position as Defense Attache in Bolivia. Cadet Hargrove grew up in San Bernardino and attended San Gorgonio High School. He entered the Air Force Academy under the Presidential nomination program which requires that an applicant must be the son or daughter of a

His father is in the Air Force and has been

During his six weeks at the Center, Cadet Hargrove hopes to fly in some Navy aircraft. "I'm here to get motivated, and I attack aircraft. It sounds like they're in the air all the time. If a back seat is empty, I'd like a ride," he said. .

Cadet Steve Marshman is spending his tour of duty this summer in Michelson Laboratory under the direction of Arlo



Cadet Steve Marshman

BUSY AT COMPUTER - Air Force Cadet Scott Engen uses a Hewlett-

Packard desktop computer to check out data pertaining to his work on the Sidewinder missile Closed Cycle Cooler

Mickelson, head, Infared Anti-Air Branch in can really get motivated by flying in Navy the Weapons Synthesis Division, Weapons

Cadet Marshman is studying astronautical engineering at the Academy His duties here relate to his major. He also hopes to work in an independent study program with the Sidewinder seeker when he returns to the Academy in August.

Cadet Marshman was graduated from Libertyville High School in Libertyville, Ill. He is an avid rock-climber and enjoys many aspects of mountaineering. He plans to visit Mt. Whitney while at NWC. He has climbed a lot of peaks in Colorado and enjoys the challenges.

His personal feelings about the Academy are: "It's set up in such a way that if you want to do well, you can. They don't let you in unless you have the capabilities of doing well. Doing well is not a function of how smart or how physically able you are, it's how much time and effort you put into your

According to Cadet Marshman, the best part of being a cadet at the Air Force Academy is the "enormous opportunities" that are available. "I'm only 20 years old and I've sky dived and participated in a glider soaring program," he said.

Latest developments on Demonstration Project reported

The Civil Service Reform Act Demonstration Project is two steps further in its implementation.

A verbatim transcript of the hearing held on June 3 has been sent to the Office of Personnel Management (OPM) in Washingtion, D.C. After it has been reviewed by OPM, the transcript will then be forwarded to the appropriate Congressional Committees.

The hearing was for the purpose of permitting oral or written comments to be submitted regarding the entry of technicians into the Demonstration Project in August. A total of six persons spoke, and three written comments were submitted. A total of about 160 persons attended the meeting. Performance assessment training began

in May for employees already in the Demonstration Project, and will be completed by July 2. That the training about the performance assessment process is being well received is demonstrated by the 4.7 average out of a possible 6 given the training by attendees at the 39 sessions completed as of June 19. Such a rating is considered to be extremely high for training not sought out by the participants.



SAFETY RECORD SET — Capt. William B. Haff, NWC Commander, presents a certificate for significant achievement in safety to Dr. John Pearson, who is shown accepting if on behalf of Dr. E. B. Royce, head of the Research Department. Dr. Pearson is head of the Detonation Physics Division in Code 38. The Research Department has established a new record at the Center by accumulating a total of 6 million man-hours worked without a lost-time accident. This safety award covers the period from December 1962 to April 1981. -Photo by Don Cornelius

Due to holiday, Monday deadline set by Rocketeer

Because of the Independence Day holiday next Friday, July 3, The ROCKETEER will be published and distributed to NWC civilian and military personnel a day earlier on Thursday, July 2.

The earlier publication date makes it mandatory to move up the deadline for next week's issue by one day as well.

Those with news items they wish published in the July 2 issue of The ROCKETEER must turn them in no later than 4:30 p.m. on Monday, June 29. Anything that is available earlier and can be brought in or phoned to the newspaper office prior to the deadline will assist the staff in getting next week's newspaper out on time in spite of the abbreviated work schedule.



Gun missile test . . .

(Continued from Page 1)

a gun environment that involves withstanding 6,800 G's and a breech pressure of 32,000 psi.

The 8-Inch ERGP, Anti-Radiation Projectile (ARP) will be shot in the direction of known radiating enemy targets, receive radar signals, determine target direction, and guide toward the pre-selected target. In field operation, simple switch settings in the projectile will define the desired target.

The 8-Inch ERGP, Semi-Active Laser (SAL) will be guided to a target by means of illuminating the pre-selected target with a laser designator.

The Naval Weapons Center design groups have been providing the initial concepts and the design and development of demonstration hardware for the 8-Inch ERGP. The development program, a joint Army and Navy project, is managed by the U.S. Army Armaments Research and Development Command, Project Manager for Cannon Artillery Weapons System.

NWC's Ordnance Systems Department is responsible for the propulsion section under the cognizance of the Naval Surface Weapons Center, Dahlgren, Va.



ROCKETEER

HAPPY RETURN -Shortly after returning to China Lake for a second tour of duty at the Center, Robert Kapernick was frocked as a Commander by Capt. W. B. Haff, NWC Commander, as Mrs. Anni Kapernick happily watches. Cdr. Kapernick is assigned as Deputy A-7E WSSA officer. Between the time that he left NWC in 1979 and his return, he was attached to Attack Squadron 97 at NAS Lemoore, Calif. Frocking is implemented when an officer has been selected for promotion but has to wait for a promotion date; he receives all the rights and privileges of the next highest rank without receiving a raise in pay. -Photo by Don Cornelius

Raven knocks out Rand Water Dist. power transformer

What does a croaking raven have to do with 1,200 thirsty people?

Quite a lot, it turns out: The raven landed on a transformer ear Randsburg Tuesday morning, extinguishing both itself and the ansformer. The transformer was one sed by the Rand Community Water istrict to power its operation; without umps, water stopped flowing to the

Pete McLoughlin, water district anager, made an emergency call for help to the Naval Weapons Center to borrow a 220 volt generator until parts needed to keep the power (and the water) flowing could be obtained.

The generator was en route shortly oaded on a Public Works Departmen truck.

When the NWC truck arrived. nowever, electric company personnel were hard at work to restore service. Public Works personnel stood by until all lines were operative once more

before returning to China Lake. Street address changes will go into effect July 1

Next Wednesday, July 1, will be an nusual day for all 3,738 people living in enter housing. They won't move, but their ouse numbers will change, and, for many, will their street names.

The changes will eliminate use of the ame name for different streets at China ake and in Ridgecrest, and will also put the ntire area into the same house numbering ystem. Some street names in Ridgecrest rill also change shortly, but a definite date or these changes has not yet been an-

While the Ridgecrest Post Office will ontinue to deliver mail addressed to an idividual's old address for a period of one ear, all residents are asked to notify those om whom they receive mail of their new

Both the Continental Telephone Co. and he Sierra Sands Unified School District nave already incorporated the new ad-

dresses into their systems. Residents do not need to notify either the telephone company or the school district of any address change unless it results from the resident physically moving. The Continental Telephone Co. directory, which will be released in September, will have the changed addresses already listed.

Motorists do, however, need to let the Department of Motor Vehicles know of their change of address within 15 days. They can stop by the DMV office (111 E. California Blvd.) and pick up DMV Form 14, which can be filled out at home and either mailed or taken to any DMV Office. Listings on the form include space for drivers' license information for all drivers in a household and also for all cars registered to a

Private pilots or flight instructors must

Aviation Administration, Airman Cer- Officers' Mess suggest either putting the tification Branch, Box 25082, Oklahoma

The Federal Credit Union, local banks and savings and loan companies all suggest that persons who have either an account or a loan notify these institutions promptly of the new address so that financial statements will not be delayed. Banks and the S&Ls will need to know the individual's account number and also the number of each individual loan. All the Credit Union needs is an account number. Notifications can be made by mail, by phone, or in person.

Local insurance offices suggest that the change of address can be filed with them at the time that the policy is renewed or when the next payment is made.

When credit card charges, usually billed send a change of address within 30 days to: each month, are paid, the change of address correspondents.

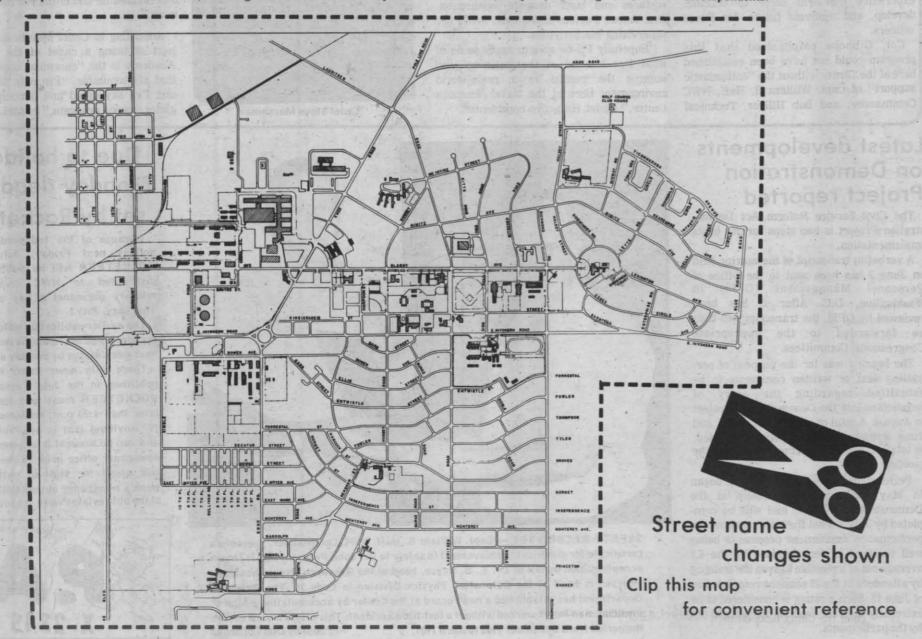
Department of Transportation, Federal can be noted on these. The Commissioned new address on the receipt form, or calling the COM to list the address change.

Magazines ask that the numbers on the mailing label be included (or that the label itself be clipped and sent in) when there is a change of address.

The Center Library asks that patrons change their addresses in the library files the next time that they stop by to check out a

Organizations to which local residents belong should be notified of the address changes, and so should friends who correspond. This is the year that getting those Christmas cards out early is a must!

Residents might find it helpful to themselves to jot down each time that they change their address listing so that they will know when they've notified all their





CONGRATULATIONS EXTENDED — Capt. James E. Doolittle, head of the NWC Aircraft Department, congratulates ACCS Kent "D" Savary after presenting him the Navy Achievement Medal during a recent morning quarters ceremony at Armitage Airfield. AC2 Russel Mark Young (at right) was honored in similar fashion at the same time. Both Navy men are assigned to the Air Traffic Control

Military update . . .

House hunting trip OKayed

is now authorized for Navy personnel who have received permanent change of station (PCS) orders.

Service personnel eligible for a house hunting trip are (1) those who are authorized to occupy non-government quarters at their new permanent duty station, and (2) those assigned to an unaccompanied tour overseas who wish to relocate thieir families within the continental United States.

Temporary additional duty (TEMADD) for house hunting may be authorized for a period that does not include more than five normal works days.

Commanding officers are authorized to grant up to 10 days permissive TEMADD if, for example, it consisted of a 2-day weekend, five working weekdays and a 3day holiday weekend.

Navy personnal are authorized to utilize space available travel, but those who do so should be advised that time spent in awaiting government transportation on military aircraft is chargeable to leave.

In addition, in the event that government

A house hunting trip to a new duty station transportation is unavailable, the serviceman or woman must travel at his or her own expense to ensure return by the expiration of the authorized TEMADD/leave

Only one househunting trip per PCS move is authorized and it may not be combined with PCS travel or proceed time. All costs associated with a house hunting trip must be borne by the service member, and TEMADD orders must indicate that the serviceman or woman is not entitled to

If an individual's new duty station is changed subsequent to being granted temporary additional duty for a house hunting trip, an additional trip may be authorized at the discretion of the transferring command.

House hunting trips are not authorized for continue medical treatment, those required weapons systems." to occupy government quarters at their new duty station, or those transferring within Aircraft Carrier Battle Group Outer Air the same area in which they are currently Battle study was instrumental in defining

Travel allowance boosted

Congress has approved an increase in the travel allowances for permanent change of station (PCS) moves for all service mem- date of orders is the date military personnel bers effective July 1, 1981.

PCS mileage rates will increase from 7 cents to 13 cents per mile and PCS per diem rates will increase from \$35 to \$50 a day. Military personnel are entitled to receive both mileage and per diem when on PCS travel.

The travel rates for the service member's dependents are 7 cents per mile for dependents 12 years of age and older, and 3.5 cents per mile for dependents from 2 to 12 years old.

Those service members who detach before July 1 may also be entitled to the increased rates. The new rates are based on

the effective date of PCS orders as defined in the Joint Travel Regulations. Effective must commence travel from the old permanent duty station or last temporary duty station, whichever is applicable, in order to arrive at the new permanent duty station on the required reporting date.

Individuals expecting a PCS move soon or who are currently in transit between two permanent duty stations should check with their local disbursing officer to see if their effective date of orders qualifies them for the new rates.

More information will be in a forthcoming NAVOP message and a change to the Joint Travel Regulations.

Navy Hospital Corps birthday

Hospital Corps will be held Saturday evening at the Community Center.

A social hour starting at 7 p.m. will be followed by dinner at 8, and the evening will be rounded out to dancing to tape recorded

The dinner, featuring an entree of turkey curry prepared by LCdr. Greg Waddington, officer-in-charge of the China Lake Branch Jewel, a physician's assistant.

A birthday dinner in celebration of the Medical Clinic of the Navy Regional 83rd anniversary of the founding of the Navy Medical Center, Long Beach, is being given by the officers and civilians at the Branch Medical Clinic for the clinic's enlisted corpsmen, each of whom can bring a guest with him or her to this affair.

> The program for the evening will include a talk on the history and traditions of the Navy Hospital Corps given by CWO3 Jim

2 Navy enlisted men presented with Navy Achievement Medal

ceremony held at Armitage Airfield, two Orleans. Navy enlisted men assigned to the NWC Aircraft Department's Air Traffic Control Branch were the recipients of Navy Achievement Medals that were presented on behalf of the Secretary of the Navy by Capt. James E. Doolittle, their department

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Those honored were ACCS Kent "D" Savary, head of the Air Traffic Control Branch, and AC2 Russel Mark Young, who is assigned to this same branch.

ACCS Savary was commended for superior performance of duty while serving from Aug. 31, 1978, to Dec. 18, 1980, as a crewmember of the USS New Orleans, a helicopter landing ship used in amphibious

ACCS Savary was singled out to receive the Navy Achievement Medal for his leadership in the establishment of a team training facility for helicopter direction centers, as well as for the upgrading of air traffic control electronic equipment - efforts that contributed significantly to the mission of the USS New Orleans:

He reported for duty at the Naval Weapons Center last December, following a

During a recent morning quarters 21/2 year tour of duty on the USS New

The Navy Achievement Medal awarded to Petty Officer Young was earned while he was serving as an aviation ordnanceman 2nd class attached to Training Squadron 7 at the Naval Air Station, Meridian, Miss., from Oct. 1, 1979, to Sept. 30, 1980.

The commendation that accompanied the medal presented to Young, who is now an air traffic controller 2nd class, stated, in part: "His can-do spirit and efforts significantly contributed to the squadron's successful attainment of its fiscal year 1980 pilot training requirement - a superior achievement in which Training Squadron 7 led all other advanced strike (jet) training squadrons in the Naval Air Training Command in the accomplishment of this demanding task."

Also noted was the fact that during a time of low manpower, high turnover of experienced technicians, and drastically increased operational commitments, then A02 Young "demonstrated superior initiative and unmatched supervisory

Young has been assigned to duty here in the Aircraft Traffic Control Branch since January 1981.

At retirement ceremony

Navy Commendation Medal awarded to LCdr. Bill Dunn

The retirement ceremony of LCdr. Will-Mathis Dunn did not entirely proceed as he had expected — during the ceremonies he was presented the Navy Commendation Medal for his meritorious service as Surface Weapons Officer at the Naval Weapons Center from December 1975 through May 1981.

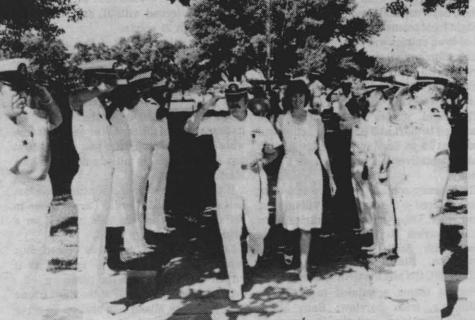
The commendation, signed by Admiral T. B. Hayward, Chief of Naval Operations, for the Secretary of the Navy, states that "demonstrating exceptional knowledge, new accessions to active duty, military dedication, and technical excellence, LCdr. personnel being released from active duty Dunn had a positive influence on the or retiring, those receiving PCS orders to development and employment of new

It continues, "his contribution to the the requirements for the Advanced Intercept Air-to-Air Missile. LCdr. Dunn's study of the command, control, and communications posture of the FFG 7 Class frigate formed the cornerstone for Naval Surface Force Pacific's training and readiness criteria."

Also commended was his assistance to Fleet units in formulating defense exercises, which significantly contributed to the Fleet's readiness posture.

LCdr. Dunn was a June 1961 graduate of the U.S. Naval Academy. At the time of his retirement he was serving as Surface Warfare Officer in the Weapons Department. He and his wife Carolyn plan to remain in the local area.





WRAPS IT UP AFTER 20 - A 20-year career as an officer in the Navy came to an end on May 29 during a retirement ceremony for LCdr. Will-Mathis Dunn, Jr. He was joined by his wife, Carolyn, for the reading of his retirement orders by Capt. William B. Haff, NWC Commander, and also for a final salute by a group of eight sideboys as he was "piped over the side."