

### Center library has tips on how to save energy in home, car

Energy conservation is a frequent topic of conversation — everyone talks about it, but is anyone doing anything about it? The Center Library has books to help interested readers learn how they can economize in every possible way in the use of gas, oil, electricity, lighting, and water, plus how to get maximum efficiency from appliances.

George B. Roscoe in "200 Ways to Save on Energy in the Home — and Still Be Comfortable" gives tips that will give substantial savings. The author even teaches the reader to read electric and gas meters so consumption can be monitored and ways to cut usage determined.

"The Complete Energy-Saving Home Improvement Guide" was designed by James W. Morrison to take the confusion and guesswork out of home energy conservation practices. Homeowners who want to save energy and money without sacrificing comfort will find "how-to" and "how-much" tips for energy conservation investments.

Practical energy saving ideas are presented in "350 Ways to Save Energy (and Money) in Your Home and Car" by Henry R. Spies. The average consumer can cut energy costs by prudent discipline and planning for maximum energy efficiency.

After studying Ronald Derven's "How to Cut Your Energy Bills," the reader will know how to eliminate heat loss, use solar heat, get the best use from a fireplace, save watts, and find energy-saving devices and products now on the market.

If the above mentioned guides are followed, readers will be saving money and at the same time doing their part to help conserve our nation's energy supplies.

### Volunteers needed now at Thrift Shop

Thrift Shop co-chairmen Barbara Meggers, Evelyn Calloway and Lou Hillyer need assistance to ready items left at Thrift Shop drop-off boxes for sale.

Members of the Women's Auxiliary of the Commissioned Officers' Mess, and those who are planning to join this fall are asked to volunteer a few hours of their time.

Help is needed each Monday and Wednesday morning from 9:30 to 11:30. Anyone seeking further information may telephone the Thrift Shop at 446-6667 during those hours.

MOVIES

(G) ALL AGES ADMITTED  
General Audiences  
(PG) ALL AGES ADMITTED  
Parental Guidance Suggested  
(R) RESTRICTED  
Under 17 requires accompanying Parent or Adult Guardian

Regular starting time—7 p.m.

**FRIDAY AUGUST 15**  
"BREAKING AWAY"  
Starring  
Dennis Christopher and Dennis Quaid  
(Comedy drama, rated PG, 101 min.)

**SATURDAY AUGUST 16**  
"ELECTRIC HORSEMAN"  
Starring  
Jane Fonda and Robert Redford  
(Drama, rated PG, 120 min.)

**SUNDAY AUGUST 17**  
"SAME TIME NEXT YEAR"  
Starring  
Alan Alda and Ellen Burstyn  
(Romantic drama, rated PG, 126 min.)

**MONDAY AUGUST 18**  
"SATURN 3"  
Starring  
Farrah Fawcett and Kirk Douglas  
(Science-fiction, rated R, 88 min.)

**WEDNESDAY AUGUST 20**  
"LORD OF THE RINGS"  
(Animation, rated G, 133 min.)  
2 p.m. Matinee

"FORCE OF ONE"  
Starring  
Jennifer O'Neil and Chuck Norris  
(Drama, rated PG, 91 min.)

**FRIDAY AUGUST 22**  
"KRAMER VS. KRAMER"  
Starring  
Dustin Hoffman and Meryl Streep  
(Drama, rated PG, 103 min.)



**ON THE CAMPAIGN TRAIL** — Board members of the Women's Auxiliary of the Commissioned Officers' Mess collaborate on plans for bringing new members into WACOM beginning with WACOM's annual membership coffee. This year's coffee will be held on Tuesday, September 9, from 9:30 a.m. to 12 noon in the Mojave Room at the Commissioned Officers' Mess. Collaborators in this project include (seated, l. to r.) Madeline Dienhart, WACOM vice-president; Kathy McKinney, president; Eleanor Lote, publicity chairman; and (standing, l. to r.) Barbara Stephenson and Pauline Patterson, membership co-chairmen. WACOM membership is open to all employed women, wives of civilian employees, women officers, and wives of military officers stationed at the Center who are members of COM. Civilian COM membership is extended to employees who hold a grade of GS-9 or above or who are junior professionals. —Photo by Ron Allen

### 'Cuckoo Nest' tryouts scheduled next week at Las Flores School

Tryouts for the fall production of the Community Light Opera and Theatre Association are scheduled this coming Monday, Tuesday, and Wednesday evenings, from 7 to 10 p.m. in Las Flores School auditorium, Ridgecrest.

The play, directed by Elena Vitale, will be "One Flew Over the Cuckoo's Nest," a story already well-known through Ken Kesey's original best-selling novel, through the Broadway production, and through the movie version, which won raves from critics both for the director, Milos Forman, and for the star, Jack Nicholson.

The Ridgecrest version of "Cuckoo's Nest" will feature imaginative sets by Jim Fussner, with other technical aspects of the show being handled by Newman Lowe, sound; Elaine Mikkelsen, assistant director; Vivian Childers, costumes; Mike Hastings, lighting; Terrie Daley, properties coordinator and set dresser; and Jim Vaughn and Emmett Mikkelsen, technical staff. Special visual and musical effects will be handled by Don Kumpfman. John Clark will serve as CLOTA board liaison, and Liz Babcock will handle publicity.

Ms. Vitale encourages all who are interested in being in a play to come to tryouts, whether or not they have had previous experience. Especially needed are middle-aged men. There are four parts for women and over two dozen parts for men.

Among the prominent roles to be cast is that of Nurse Ratched, an overbearing nurse who rules the men's ward of a state mental institution with a will of steel. Opposing her is the equally determined Randall P. MacMurphy, a dedicated individualist who is determined to bring some fun and adventure to the drab lives of his fellow inmates.

Ms. Vitale plans to cast the play by the end of next week, and rehearsals will begin the following week. "Cuckoo's Nest" is scheduled for production in the Burroughs High School Lecture Center on October 17,



### Commissioned Officers' Mess

A steak cookout on the patio, and a Japanese Night will be the attractions at the Commissioned Officers' Mess this week.

On Tuesday a steak cookout, featuring top sirloin, country potatoes, corn-on-the-cob, and hot biscuits and honey will be served.

For Japanese night, on Thursday, Aug. 20, the COM chefs will prepare a choice of beef yakitori, or shrimp tempura.

Dinner on both evenings will be served from 5 to 9 o'clock.

Next Friday, Aug. 22, the COM will present a special stage show featuring the world famous "Drifters."

A price of \$10 per person will include a buffet dinner from 6 to 8:30 p.m.; dancing (with music provided by backup musicians for the Drifters) from 8 p.m. until midnight; and the stage show, starring the Drifters, at 9:30 p.m.

Reservations for this special show must be made prior to 12 p.m. August 21, to insure sufficient time for food and seating preparations.

**Chief Petty Officers' Club**  
This evening, from 8:30 p.m. until 12:30 a.m., the Chief Petty Officers' Club will proudly present "The Lava," a 4-piece rock-music combo from the Los Angeles area.

A choice of prime ribs of beef or Icelandic cod will be the main items featured on the CPO menu this evening from 6 to 9 o'clock.

On Saturday, Aug. 30, the CPO will be holding its annual luau.

Tickets for this special night, priced at \$12.50 per person, are now on sale at the CPO Club office on a first-come, first-served basis.

On stage at 9 p.m. will be a Polynesian extravaganza put on by Tiara Productions, Inc. of Huntington Beach, Calif.

Starting at 7 o'clock there will be a Hawaiian-style buffet featuring such culinary delights as pig-in-the-pit, pork legs, turkey with dressing, baked tuna, and yams. All these food items will be authentically prepared Hawaiian style in the pit.

Also on the menu will be chicken and long rice, and sweet and sour chicken, along with assorted salads and breads. For those who do not care for Hawaiian style food there will be prime rib.

**Enlisted Mess**  
Surf 'n turf is the main dish being prepared by the chef at the Enlisted Mess this evening for the dining pleasure of EM patrons. Dining hours are from 6 to 8:30 p.m.

On stage tonight at the EM will be "Message," a rock-music combo from the Los Angeles area, playing from 9 o'clock until 1:30 a.m.

**Toga party planned**  
All junior professionals, summer employees and co-op students are invited to attend a toga party at the Enlisted Mess on Friday, Aug. 22.

The \$2 admission charge collected at the door covers food, beer or sodas, and dancing from 8 p.m. to 1 a.m. to the music of Jim Rieger and his electronic orchestra.

Togas can be made from bed sheets; safety pins at strategic spots are strongly recommended but not required.

**U.S. Government Printing Office:**  
1980 — No. 1039

From: \_\_\_\_\_  
PLACE STAMP HERE

To: \_\_\_\_\_

Other classes in music scheduled this fall at Cerro Coso College include orchestra, college choir, music appreciation, jazz band, and learning to read music.

Additional information on the college's music program can be obtained by calling 375-5001.



NAVAL WEAPONS CENTER  
CHINA LAKE  
CALIFORNIA

Aug 15, 1980  
August 8, 1980

Vol. XXXV, No. 32

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**HOOKUP** — PR2 Bill Lewallen (on ladder) gets ready to attach the dummy to the snuff cable while PRAN Bob Ferrioli steadies the dummy. PRCS Ron Allen makes a final adjustment to the parachute harness. —Photo by Ron Allen

## Dummies take long drop as first tests conducted at parachute drop tower

The 50-foot tall parachute drop tower back of the old dispensary swung into full-time operation last week when two equipment tests were conducted.

Tested were components of a sea water-activated parachute release system for jumpers landing in the water, and a modification to the MA-2 parachute harness. For both tests an articulated anthropomorphic dummy (sedately attired in flight clothing as well as the harness being tested), was hoisted to a predetermined height up the tower and then released.

The dummies were stopped from crashing into the ground by a snuff cable attached to the risers of the harness. The shock generated by the abrupt halt in the fall simulates the shock generated by a parachute snapping open.

The snuff cable is one of two cables hanging from the center of the tripod-shaped tower; the other is an equipment cable used to lift the test equipment into place. Extra instrumentations are attached to the dummies to gather additional information about strain, shock loading and other factors to be measured that are telemetered to the TM ground station located in the adjoining building.

Although inert weights could be used to test the strength of harnesses and buckles, articulated, instrumented dummies are being used to provide better simulation about what actually happens to a human body during the opening of a parachute. The dummies are configured like a human body and have a similar center of gravity so the information is directly applicable to what happens with human jumpers.

Generally, to be qualified, equipment must withstand five consecutive successful drops withstanding an average of an 8,000-pound load over the five drops. This is only one of the many criteria used; standards for certifying life-saving equipment are extremely high.

Use of the drop tower permits extensive testing with controlled environments and at relatively low cost with rapid turn-around time between tests.

The proximity of the tower to office and laboratory space means that all personnel involved with developing a system being tested are at hand.

The sea-water actuated parachute release system being tested will release a parachute automatically when an aircrew member dips under the water's surface so that he will not become entangled with his

(Continued on Page 3)



**SLOW CLIMB** — Hoisting a test dummy to a predetermined height on the parachute drop tower takes much longer than its quick descent when the hook attaching it to the right cable is released. The snuff cable (left) permits the dummy to drop close to the ground before halting its descent abruptly to simulate opening shock of a parachute.

## AE3 Howard W. Hervey chosen as July Bluejacket for Naval Weapons Center

Aviation Electricians Mate Third Class Howard W. Hervey has been selected as the Naval Weapons Center Bluejacket of the Month for July.

AE3 Hervey is currently assigned to the NWC Hot Line as shift supervisor, leading A-4 plane captain, and PQS watch supervisor for both the A-4 and the TA-4 aircraft.

In the letter nominating him for the Bluejacket award, his supervisor, ADCS Fielder, states "Since reporting aboard (NWC) in September 1978, Petty Officer Hervey has continually demonstrated his ability to accomplish all assignments through the effective utilization of his personnel."

The letter went on to list his accomplishments including his revision and implementation of a new A-4 Plane Captain training program designed to qualify people under the PQS system. Under this new program several A-4 plane captains have already met their qualifications.

AE3 Hervey's supervisor added that Hervey's "cheerful and polite personality combined with a firm but fair disposition enables him to effectively communicate with his fellow shipmates, instilling in them the desire to better themselves in their everyday routine."

His supervisor continued, "He is a definite credit to this command and the naval service."

For AE3 Hervey, China Lake appears to be his first and only tour of duty. By October 1980 he plans to leave the service but hopes to remain in the area and find work on

Center in his current field as an aviation electrician. He plans to enroll in some courses at Cerro Coso Community College this fall providing the curriculum fits his needs.

Although a native Californian (he originally lived outside of San Francisco), AE3 Hervey considers Gardnerville, Nevada his home. As a result he is familiar and at home with the desert area.

During his free time AE3 Hervey can be found gardening for himself and other people. He finds gardening to be restful and also enjoys the company of the friends he has made while in the area.

If not gardening or spending time with his friends, AE3 Hervey can be found swimming, which he thoroughly enjoys, or participating in his church's activities.

For being selected as Bluejacket of the Month, AE3 Hervey will get a 96-hour liberty and no duty status for 30 days. He will also receive an official letter of commendation signed by Capt. W. B. Haff, NWC Commander, and an NWC plaque with his name engraved on it.

Additionally, his name will be displayed on the marquee at the traffic circle, and he will have a reserved parking space at the Enlisted Mess.



AE3 Howard W. Hervey

### Energy use critical

#### Continued conservation needed

Each and every month the price of energy seems to increase as we stand at the mercy of the OPEC nations and the prices for oil they keep foisting upon us.

With the critical world situation, our mission at the Naval Weapons Center to protect and defend our nation is expanding. Each additional dollar that we must spend for energy means one dollar less that we can spend directly on mission-related activities.

The use of new technologies now available or being developed plus our geothermal resource should enable us to reach our goal of energy independence by 1990, but until these technologies are implemented, conservation is essential.

The Naval Weapons Center is the leader in energy conservation within the Navy. With your help we can continue to lead conservation efforts, can achieve our mandated goals of a 20 percent reduction in energy use while meeting all our mission requirements.

Consider all possible ways to conserve energy within your department, divisions, and branches and continue to implement all energy-conserving practices.

### Employee service awards

The following Naval Weapons Center employees have received Federal service or NWC length-of-service awards:

			
Albert Hammer 30 yrs. Fed'l Service Code 6224	Alan L. Woodman 25 yrs. Fed'l Service Code 3858	Dwight Fine 20 yrs. Fed'l Service Code 3854	Thomas Stogsdill 20 yrs. Fed'l & NWC Service Code 3921
			
Max L. Dix 20 yrs. Fed'l Service Code 3653	Francis L. LaPierre 20 yrs. NWC Service Code 6204	William W. Harrington 20 yrs. NWC Service Code 063A	James O. Porteus 20 yrs. Fed'l & NWC Service Code 3817

### NWC Fire Division completes Housing Inspection Program

A courtesy housing inspection conducted by NWC Fire Division personnel at occupied homes on the Center has been completed.

A large number of potential fire hazards that are to be corrected were found and pointed out to tenants by fire inspectors.

Because many residents were at work or not at home during the time that the firemen were making their rounds, the firemen were unable to inspect all residences.

However, the public acceptance and cooperation extended to Fire Division inspection teams was reported to be outstanding, and the Fire Division is taking

this means of expressing its appreciation to all those who participated in this program. The importance of fire prevention in the home is, and should be, of vital concern to everyone, the firemen emphasized.

If China Lake residents who were not at home when their neighborhood was visited by fire inspection teams wish to have their dwelling inspected, an appointment to have this done can be made by calling the Fire Prevention Branch at NWC ext. 2146.

The same telephone number is to be called by tenants of any homes at China Lake in which a smoke detector has not yet been installed.

### The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California  
Captain W. B. Hafl  
NWC Commander  
R. M. Hillier  
Technical Director  
S. G. Payne  
Public Affairs Officer  
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Editor  
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Associate Editor  
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Staff Photographer

News Stories  
Photographs  
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### Promotional opportunities

Applications (Standard Form 171) should be put in the drop box located at the Reception Desk of the Personnel Department, Bldg. 34. Unless otherwise specified in an ad, applications for positions listed in this column 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 Promotional 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 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. 09-02KLC, Air Conditioning Equipment Mechanic, WG-5306-5/8, Code 264** - Temporary not to exceed one year. The purpose of this advertisement is to establish a Register to fill temporary (not to exceed one year) Air Conditioning Equipment Mechanic positions. This register will be used to fill vacancies as they occur during the next several months. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept applications from reinstatement eligibles, individuals currently on Civil Service Registers, and individuals not on registers who have skills necessary to qualify for this position. The incumbent installs, maintains, and repairs refrigeration and air conditioning equipment and components used in providing refrigeration and air conditioning for living quarters, offices, commercial, and industrial use. Equipment includes refrigeration units, refrigerated air conditioning, humidifiers, evaporative air conditioning, gas, steam, and hot water heating units. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; technical practices and trade theory; ability to read and interpret blueprints, instructions, specifications, etc.; ability to use handtools and measuring equipment; troubleshooting; materials.

**Announcement No. 09-03KLC, Electrician (High Voltage), WG-3810-4/10, Code 264** - Temporary not to exceed one year. The purpose of this advertisement is to establish a Register to fill temporary (not to exceed one year) Electrician (High Voltage) positions. This register will be used to fill vacancies as they occur during the next several months. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept applications from reinstatement eligibles, individuals currently on Civil Service Registers, and individuals not on registers who have skills necessary to qualify for this position. The incumbent installs, maintains, and repairs electrical transmission and distribution lines and equipment and accessories connected with power lines. This includes overhead and underground power lines, transformers, street lighting systems and switching gear. Installs and repairs wire and cable transmission lines; installs and repairs poles, cross arms, insulators, guy wires, and anchors to support power transmission lines by power equipment or by hand methods; installs substations, target structures for range testing, cable splicing, and communication line work. Job Relevant Criteria: Ability to safely perform the work of the position without more than normal supervision; technical practices; knowledge of trade theory and instruments; ability to use handtools and powered equipment; ability to use electrical drawings; maintenance and troubleshooting.

**Announcement No. 09-04KLC, Boiler Plant Equipment Mechanic, WG-5309-4, Code 264** - Temporary not to exceed one year. The purpose of this advertisement is to establish a Register to fill temporary (not to exceed one year) Boiler Plant Equipment Mechanic positions. This register will be used to fill vacancies as they occur during the next several months. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept applications from reinstatement eligibles, individuals currently on Civil Service Registers, and individuals not on registers who have skills necessary to qualify for this position. The incumbent installs, maintains, and repairs industrial and commercial gas fired heating and evaporative cooling equipment. Job Relevant Criteria: Ability to install, repair or maintain; ability to interpret instructions/specification, etc.; ability to troubleshoot pertinent equipment; ability to use tools and measuring instruments; ability to do the work of the position without more than normal supervision.

**Announcement No. 09-05KLC, Electrician, WG-2805-4/10, Code 264** - Temporary not to exceed one year. The purpose of this advertisement is to establish a Register to fill temporary (not to exceed one year) Electrician positions. This register will be used to fill vacancies as they occur during the next several months. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept applications from reinstatement eligibles, individuals currently on Civil Service Registers, and individuals not on registers who have skills necessary to qualify for this position. The incumbent plans proposed installations from blueprints, sketches and specifications, cuts pipes to size, threads, assembles, and fuses to building framework and pulls wire through conduit. Lays out, assembles, installs, and tests electrical fixtures, apparatus, control equipment, and wiring used in the alarm, radio communications, light and power systems of buildings. Splices wires, cables, and auxiliary equipment, replaces defective wiring, overhauls and repairs motors, performs non-scientific electronics work of experimental nature, maintains and repairs electrical and electronic equipment in boiler plants. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; use of electrical test equipment; knowledge of electrical theory; electrical drawings; hand and power tools; safety and dexterity; technical practices.

**Announcement No. 0608, Supervisory Budget Analyst, GS-560-12, PD No. 7708012E, Code 0832** - Position is temporary not to exceed one year. Incumbent of this position serves as Head of Resource Management. The Budget Division Office of Finance and Management. The incumbent is responsible for managing and supervising a professional staff whose responsibilities include providing financial management and policy advice to the Test and Evaluation Directorate and for providing budget staff support to various departments as well as Center Management. Job Relevant Criteria: Ability to supervise; knowledge of off-center budget requirements; ability to make clear and concise oral presentations; knowledge of financial analysis techniques.

**Announcement No. 26-011, Administrative Officer, GS-341-5/7, PD No. 8026074N, Code 267** - Position is located in the Transportation Division, Public Works Department. Incumbent will administer and evaluate the Division's

operating programs, including: budget plans; financial operations; management reviews; commercial/industrial program; facilities/shop improvements; maintenance; planning; training programs; safety; EEO; procurement; inspections and audits; plant property; and transportation services. Functions as primary contact point for the Division with other organizations on Center as well as other Divisions within Public Works. Note: Position has promotion potential to GS-9; however, promotion is not guaranteed. Job Relevant Criteria: Ability to analyze data; ability to work independently; knowledge of the budgeting process; knowledge of personnel procedures; ability to communicate clearly both orally and in writing.

**Announcement No. 26-012, Housing Project Assistant, GS-1173-3, PD No. 8026099N, Code 2631** - Position is located in the Personnel Support Branch, Housing Division, Public Works Department. Incumbent will receive and process applications for base housing. Incumbent assigns quarters, schedules check-in, pre-termination and termination inspections of quarters, and maintains occupancy records. Incumbent is responsible for the collection of sundry charges, and maintenance of collection and accounting records. Duties also include counseling military and civilian employees who request assistance in locating housing in the local community, and assisting them in locating suitable housing. Job Relevant Criteria: Knowledge of DoD Housing Regulations; ability to tactfully handle contacts with tenants and the public; knowledge of NWC family housing guidelines; ability to keep accurate records and prepare reports.

**Announcement No. 26-013, Supervisory Architect, DP-808-11/Supervisory Civil Engineer, DP-810-11 (Interdisciplinary), PAC No. 8026091E, Code 2627** - Position is located in the Architectural/Specifications Branch, Engineering Division, Public Works Department. Incumbent will provide architectural and Structural engineering services for the Division. Assigns projects to engineers and provides them with technical guidance as well as assistance on policy matters and funding. Incumbent will directly manage a branch consisting of approximately 8 architects/engineers and technicians. Incumbent will also serve as technical consultant to other divisions and to technical customers. Job Relevant Criteria: Knowledge of architectural/engineering principles and techniques; ability to manage a subordinate staff; ability to communicate clearly both orally and in writing; ability to serve as a consultant on projects; interest in and potential to manage people problems (EEO).

**Announcement No. 31-007, Secretary (Typing) GS-318/4, PD No. 8031157, Code 3144 (Part Time 32 hours a week)** - This position is in the A/C Armament Systems Branch, Avionics Division, Aircraft Weapons Integration Department. The incumbent will type clearly, both orally and in forms, correspondence, inter-office memos, etc.; receives telephone and office callers; receives and distributes branch mail; maintains supervisor's calendar, makes travel arrangements etc. Job Relevant Criteria: Ability to type efficiently and accurately; reliability and dependability; ability to meet deadlines under pressure; telephone answering skills.

(Continued on Page 7)



### DIVINE SERVICES

<b>PROTESTANT</b>	
Sunday Worship Service	1000
Sunday School - All Ages	0930
Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant.	
Communion Service first Sunday of the Month.	
<b>ECUMENICAL</b>	
Wednesday Noon Bible Study	1130
Thursday Men's Prayer Breakfast	0630
<b>ROMAN CATHOLIC</b>	
<b>MASS</b>	
Sunday	0830 1130
Nursery, Chapel Annex 1	0815 121
Daily except Saturday, 1135, Blessed Sacrament	Chapel
<b>CONFESSIONS</b>	
Daily	1115 to 1130
Sunday	0800 to 0925
<b>RELIGIOUS EDUCATION CLASSES</b>	
Sunday	Pre-school thru 11th grade
Above classes are held in the Chapel Annexes across from the former Center Restaurant.	
Sunday afternoon	12th grade
As announced "In Home" Discussion Groups and Youth Raftes	
Contact Chaplain's Office for specifics.	
<b>JEWISH SERVICES</b>	
<b>EAST WING - ALL FAITH CHAPEL</b>	
Sabbath Services every Friday	1930
<b>UNITARIANS</b>	
<b>CHAPEL ANNEX 95</b>	
Sunday	Services - (Sept. May) 1930

### IWV Swim Team names new mentor for coming season

A new Indian Wells Valley Swim Team head coach has been named for the 1981 season.

Tim Gosney, a hospital corpsman 2nd class, will take over the spot held this season by Elaine Mikkelsen. Gosney, who was recently assigned to the NRMC branch clinic, is a native of Northern California and has had 10 years of competitive swimming experience along with three years of coaching experience in the Redding area. Ms. Mikkelsen's retirement is temporary so she can devote more time to her position as community services director in the Recreation Services Department. She also plans to take a few classes at Cerro Coso Community College.

Gosney encourages any boy or girl 5-15 years of age who really wants to swim and has a rudimentary knowledge of swimming to try out for the team in late September. Exact dates, times and places will be announced in a future issue of the ROCKETEER.

### Rec. Roundup . . .

(Continued from Page 6)  
hours of operation. Open swimming will be held from 4:30 to 8:30 p.m. on Mondays, Wednesdays and Fridays, 1:15 to 6 p.m. on Saturdays and from 1 to 6 p.m. on Sundays.

Lap swimming will be held between 6 and 7:30 a.m. and from 10 a.m. to 1 p.m. Monday through Fridays. On Saturdays the lap swimming time is between 12:15 and 1:15 p.m. and on Sundays between noon and 1 p.m.

### WORKSHOP OFFERED

Registration is now being taken at the Recreation Coordination Office for a lace draping and china doll workshop that will begin on Saturday, Sept. 6, and end on Friday, Oct. 3.

The fee for participation in this workshop, which is to be taught by Mary Burchett, is \$10 for military personnel and \$12 for civilians.

This afternoon is the deadline to register for this workshop, and signups are being handled at the Recreation Coordination Office and at the Hobby Craft Center.

Information on the exact times that the china doll workshop will be held can be obtained by calling Carol Hape at NWC ext. 3252.

### CHILDREN'S CENTER

The Children's Center is now taking registrations for the full-time center and standing reservations for the drop-in center for the fall.

Telephone the full-time center at ext. 2735 or the Annex I (drop-in) center at ext. 2653 from 7 a.m. to 3 p.m. on Mondays through Fridays for further information.

## employee in the spotlight

Liking penguins is strictly a black and white issue!

Aleta Wallace



By Mickey Strang

Readers of the NWC Announcements may have wondered why they saw tiny penguins cavorting on its staid pages recently. Such readers were not aware that April 25 is National Penguin Day, and that one of the leading promoters of Penguin Day is a printing specialist in the Publications Division of the Technical Information Department named Aleta Wallace.

Aleta has been hooked on penguins since her grandmother gave her a porcelain penguin when she was 10 years old; currently her collection of penguins (non-live ones, that is) totals more than 250, without considering pictures and scrapbooks. She has one collection of penguins at home and another at work; those at work were given to her by co-workers who are part of her "Penguin Patrol."

The Penguin Patrol consists of people like Aleta who feel that liking penguins is strictly a black and white issue. Their big day of the year, National Penguin Day, is celebrated by wearing black and white and just enjoying the day. The only other requirement for observers of the day is that they must notice and like penguins. "And that," says Aleta, "is all that there is to it!"

### Employed seven years in TID

Work has formed a rewarding part of Aleta's life since she started as a GS-2 in the Technical Information Department seven years ago. Through on-the-job training and her ability and willingness to accept increasing responsibility, she worked her way up to printing specialist. While in this role in the Graphics Division (where she worked with the production part of printing), she received a Federal Women's Award for the excellence of her work in a non-traditional role. She's now in the Publication

Division, rounding out her professional background with the publications aspects of printing.

### Pursues liberal arts degree

Aleta is also expanding her background by pursuing a degree in liberal arts through the California State College Bakersfield External Degree program ("just for my own satisfaction"). She was attending California State University Sacramento near her home in Fair Oaks, Calif., when she met and married her husband, Gerry. He graduated with a degree in psychology and joined the Air Force; since they are very close as a couple, she dropped out of school to follow him in his various duty stations at March Air Force Base, Kadena Air Force Base in Okinawa, and Holloman Air Force Base in New Mexico.

When he left the military service, they moved to China Lake, where Gerry is a logistics manager in the Engineering Department, and Aleta came to TID.

### Still has time for family

Between working in a demanding job and taking classes, Aleta has still wedged in plenty of time to enjoy daughters Aerann, almost 10, and Seanna, 1 1/2. Aleta and Gerry created the name Aerann because they wanted a name that was different ("I came up with the first three letters and he came up with the other three - it was strictly a collaborative effort!").

As a family unit they all enjoy arts and crafts. Aleta also sews a lot, and Gerry and Aerann are the family musicians. Gerry's bag is literally that; he is a bagpiper. And just as Gerry's love for Aleta extends to the penguins, so does Aleta's for Gerry extend to the bagpipes. The only truer union that could be achieved would be if they could teach a penguin to play bagpipes.

### BLM offers adoption of wild horses, burros

Approximately 4,500 persons who have humanely cared for U.S. Government-owned wild horses or burros for one year or longer under the Bureau of Land Management's (BLM) Adopt-a-Horse program will be offered ownership of the animals, a BLM spokesman said recently.

Frank Gregg, BLM director, said that all prospective adopters may apply for ownership of a maximum of four animals by filling out an application sent to them in the mail and returning it to the BLM with a licensed veterinarian's statement verifying the animals' good health.

### Blue Cross on Center

The Blue Cross Mobile Service Unit will be in the parking lot at the NWC Community Center on Friday, Aug. 22, from 11 a.m. until 3 o'clock. No appointment is necessary to meet with a service representative to answer any question about coverage of claims.

The BLM's Adopt-a-Horse program, which began in 1976, removes wild horses and burros from overgrazed or threatened areas of the public rangelands in the West and places them in the care of private citizens around the country. So far the program has found homes in 47 states for about 19,500 wild horses and burros.

Until a recent change in a 1971 law that protects the animals, adopted wild horses and burros remained wards of the Federal government for their lifetime. Most of the adopters trained their animals for riding, showing, packing or as farm animals.

"Public-spirited individuals have helped the BLM in its efforts to protect and improve the public rangelands by giving home

to excess wild horses and burros," Gregg said. "Many have done so with the hope of someday owning the animals outright; and granting titles will reward them for their effort, time and expense."

The amended 1971 law also instructs the BLM to destroy unadoptable animals as a last resort. The Bureau must start to implement that provision, and destruction will be done in the most humane manner possible, according to Gregg.

Information on how to adopt a horse or burro, included with a booklet on horse and burro care and an application form, can be obtained from Adopt-a-Horse, Dept. 634-B, Consumer Information Center, Pueblo, Colo., 81009.

### Promotional Opportunities

(Continued from Page 2)

**Announcement No. 34-004, Photographer (Scientific and Technical), GS-1060-9, PD No. 8034017, Code 3451** - This position is in the Applied Photography Branch, Photographic Division, Technical Information Department. The duties of this position are to provide scientific and technical photographic services on such subjects as color or black and white photography including such areas as spectral sensitivity and resolution of sensitized material, the basic chemistry of photography, illumination, photographic filters (their usage and limitation) and other techniques and procedures. Incumbent will provide specialized knowledge and skill in procedures and photography or Engineering and Technical Photo Reproduction. Job Relevant Criteria: Knowledge of equipment, techniques and processes of photography; competence and artistic ability in use of photographic equipment; knowledge and understanding of scientific and technical subjects.

**Announcement No. 46004, Engineering Technician, GS-827-8/9, PD No. 7948039N, Code 4412** - This position is located in the Product Support Branch, Production Support/Quality Assurance Section, of the Engineering Division, Parachute Systems Department. The Product Support Branch is responsible for basic design, maintenance engineering, integrated logistics support, and production support/quality assurance of assigned parachute systems and deceleration devices. The incumbent assists in establishing standard procedures and requirements for conducting first article preproduction and production lot sample tests and inspections for Parachute/Deceleration Systems, Subsystems and related hardware. The incumbent inspects qualification test hardware, ranging from complete parachute systems to individual bits and pieces, for conformance to drawing and design specifications. Job Relevant Criteria: Knowledge of quality control and inspection techniques. Knowledge of aerospace escape and survival systems.

**Announcement No. 64006, Clerk Typist, GS-322-3, PD No. 8064024N, Code 441** - This is a part-time 36 hour/work position. The incumbent will provide clerical support to an assigned office within the Parachute Engineering Division of the Parachute Systems Department. The incumbent will

be assigned to work in the division performing a variety of clerical duties. Duties will include assisting in the set up and running of the Department's technical reference library. Job Relevant Criteria: Ability to type efficiently; ability to communicate effectively; knowledge of filing systems and of clerical references and handbooks. Promotio potential to GS-4 is dependent upon future evaluation of the position.

**Announcement No. 31-008, Computer Specialist, GS-324-7, PD No. 8031159, Code 31021** - This position is located in the Aircraft Weapons Integration Department Staff Office. The purpose of this position is to provide and maintain a financial management information system for use within the Department. The incumbent is responsible for development and maintenance of a financial management system to support both Department administration activities and various project organizations with the department. The incumbent works under the guidance of scientific and technical personnel to determine their information requirements and needs to determine their feasibility, and makes recommendations to representatives of line and project management. Job Relevant Criteria: General knowledge of data base management systems such as SEED and System 2000; working knowledge of the NWC financial system; ability to program in System 2000; and ability to coordinate a wide variety of user requirements, data base system requirements, technical resources, and hardware/software needs.

**Announcement No. 34-003, Writer-Editor (Printed Media), GS-1082-5/7, PD No. 8034016, Code 3411** - This position is located in the Writing Branch, Publications Division, Technical Information Department. The incumbent is trained in the writing and editing of technical reports, brochures and administrative reports. Duties include editing manuscripts and gathering information, organizing it and presenting it in written format. Job Relevant Criteria: GS-5: Ability to interface effectively with all levels of Center personnel; ability to analyze data; ability to gather information; knowledge of editing techniques. GS-7: Skill in gathering information; skill in analyzing data and organizing facts; knowledge of publishing techniques; skill in editing. Promotion potential to GS-9. Promotion not guaranteed.



**PINS ON GOLD OAK LEAVES** - During a recent frocking ceremony held in the office of Capt. P. D. Stephenson (at left), Commanding Officer of Air Test and Evaluation Squadron Five (VX-5), Lt. Eric Nye, the squadron's intelligence officer, exchanged his silver bars for the gold oak leaf insignia of lieutenant commander. Frocking is a process whereby an officer receives all the rights and privileges of the next highest rank without receiving a raise in pay. It is implemented when the officer has been selected for promotion but has to wait for a promotion date.

- Photo by PHAN J. W. Morrow



Recreation Roundup

Sign up now for advanced summer swimming classes

A fifth summer swimming session, sponsored by the Recreational Services Department, is currently underway on Mondays through Fridays until Aug. 29 at the Commissioned Officers' Mess swimming pool.

Swimmer skills and basic survival skills are two advanced classes that will be taught to those who have passed the intermediate level.

Swimmer skills, which runs from 9 to 10 a.m., emphasizes swim stroke correction, distance (100 yd.) swimming, varieties of swim turns and other skills in the water. The student must have passed the intermediate level and should be in good physical condition.

The basic survival class will be teaching students how to cope with a variety of water crisis situations such as lifesaving and survival floating. The student should have passed swimmer level and should be in good physical condition.

Registration cost for the session, which is provided by Recreational Services employees who hold a current Water Safety Instructor certificate, is \$15 payable to the recreation coordination office.

Recreational Services reserves the right to cancel classes if too few children are registered and to reassign participants to other level classes following testing at the first class meeting.

IWV YOUTH FOOTBALL

Youths between 8 and 14 years of age can sign up for the Indian Wells Valley Youth Football League tonight from 6 to 9 or tomorrow from 11 a.m. until 2 in the afternoon at the Ridgecrest Bowl on Ridgecrest Boulevard. A parent must come with each youth to sign necessary permission slips.

Practice will begin at 5 p.m. Monday.

LADIES' EXERCISE CLASS

A ladies' exercise class is being held every Monday at 7 p.m. at the Center gymnasium.

The class, which is taught by Kelly Moulton, includes an exercise session from 7 to 8 p.m. and weight room and racquetball instruction from 8 to 9 p.m. Also, the swimming pool is open until 8:30 p.m. and the sauna is open during the entire class period.

The exercise class costs \$1 per session and is free for ladies who hold a gymnasium membership.

RACE TICKETS ON SALE

A limited number of tickets have gone on sale for the eighth annual Bridgestone SCORE International off-road championships, which will be held at the Riverside International Raceway from Aug. 22-25.

The tickets, which cost \$9.15 for the first three days and \$6.15 for Sunday, may be purchased at the recreation coordination office, which is located next to the Center gymnasium.

INDOOR POOL CLOSES

The indoor pool will be closed to all activities from Sept. 2-7 to facilitate annual cleaning and maintenance requirements. The pool will be open, however, for open swimming on Labor Day weekend during its regular hours. A lane will be provided for those wishing to swim laps from 11 a.m. to noon.

On Sept. 8 the pool will begin its winter

(Continued on Page 7)

Mather's Dairy wins slow-pitch championship

The China Lake Intramural Softball League men's slow-pitch championship playoffs, which concluded Monday at Schoeffel Field, contained both the expected and unexpected.

As expected, Mather's Dairy Service won the playoffs. The unexpected part was that the Dairymen had to come from behind in the consolation bracket to do it.

After losing to Burger King 13-12 last week, Mather's Dairy Service had to win three games in a row Monday for the championship, including two against the surprising Burger King team, which was the last Open Division team to qualify for the men's slow-pitch championship playoffs.

COME-FROM-BEHIND VICTORY

After eliminating the NWC Os 15-4, Mather's Dairy Service trailed Burger King 8-1 with two outs in the bottom of the last inning, but the Dairymen scored seven runs on five hits before their third out to tie the game at 8-8 and send it into extra innings. In the eighth frame, Mather's held Burger King scoreless and scored the winning run when Randy Klassen tripled home Andy Price, who had reached first base on a bunt single.

In the championship game, Mather's Dairy Service scored seven times in the top of the first inning and never looked back in trouncing Burger King 23-7.

Ralph Stalnaker singled twice and doubled in four at bats to lead Mather's Dairy Service in its 9-8 victory over Burger King. Dale Evins, who homered and singled, Price and Jerry Mather added two hits each.

Loy Vincent went 3-for-4 with a double for Burger King, and Mike Machowsky, who doubled twice, Gary Ziegler and Randy Johnson each had two safeties.

In the championship game, Mather and Klassen both collected four hits in five trips to the plate to lead the Dairymen. Richie Clodt added three hits, and Art Donaldson and Ernie Bell had two hits apiece.

Mike Dowd tripled and singled three times in his four at bats to lead Burger King offensively. Vincent tripled and singled twice, and Don Gallaher and Machowsky each had two hits.

HOME RUN LEADERS

As expected, Mather's Dairy Service clubbed seven home runs in the playoffs to lead all teams. Bell homered three times followed by Stalnaker with a pair of home runs, and Evins and Al Chieze, who had one

Military Slow Pitch Division playoffs to resume Monday

The China Lake Intramural Softball League Military Slow Pitch Division playoffs will resume Monday at 6 p.m. at Schoeffel Field.

The double elimination playoffs, which include all the teams from the Military Slow Pitch Division, conclude at 6 p.m. Tuesday with the championship game. Another game between the two teams will be played at 7:30 p.m. Tuesday if they have one loss apiece.

The seven-team playoffs started earlier this week with three games on Tuesday, Wednesday and Thursday nights.

The favored team going into the playoffs was the NWC Os, which won the division championship with a record of 13 wins, six losses and a tie. The NWC Os also placed third in the China Lake Intramural Softball League men's slow-pitch playoffs, which were completed Monday.

Another team to watch is the Long Shot squad, which made a surge late in the season to finish a game back of the Marauders in third place with a record of 12 wins and eight losses. Long Shot drew a first-round bye in the playoffs.

The other teams competing in the playoffs and their regular season records are the Sports Etc. Tide Riders (11-9), the Techs 'n Rangers (8-11-1) and the Dispensary (2-18).



TURNING FOR HOME — Randy Klassen rounds third base on his way to score during the Dairymen's 9-8 victory over Burger King Monday night. Klassen tripled home Andy Price for the winning run an inning later.

four-bagger each.

Stalnaker had 10 hits in the playoffs to lead Mather's Dairy Service, which also shut out High Desert Saloon 12-0. Bell, Clodt and Chieze added eight hits apiece.

Machowsky and Dowd of Burger King led the playoffs with 12 hits each. Cliff Paine and Vincent added eight hits apiece for

Burger King, which defeated the Knights of Columbus and NWC Os by the scores of 14-4 and 13-12.

The third place NWC Os, which whipped the Marauders 21-1 and High Desert Saloon 22-3, were led by Dave Nichols and Jeff Lehman, who gathered nine and eight hits, respectively.

8th annual invitational golf tourney to be held in Sept. in San Diego

An invitation has been extended by officials of the Navy golf course in San Diego to all active duty and retired military personnel to participate in the 8th annual invitational golf tournament that is to be held on Saturday and Sunday, Sept. 20-21.

This event will be played on the north course at San Diego, and will get underway with a shotgun start on both days at 9 a.m. This tournament is a 36-hole scramble event with different partners each day. The field will be divided into four equal flights, and one member from each flight will make up the foursome.

Format to be followed for this scramble tournament calls for each golfer in the foursome to hit a tee shot from a designated area on the driving green. The best positioned drive is then selected and all members of the foursome play from that spot until the ball is holed out.

Only one score per hole is recorded, and that score goes to each player within his or her flight. Equal prize money will be distributed to each flight.

The entry fee for this year's tournament is \$65 per player. This covers green fees for both days, use of electric carts, a get-acquainted social on the evening of Friday, Sept. 19, a souvenir shirt, balls, tees, and an optional practice round during the afternoon of Sept. 19.

DINNER-DANCE INCLUDED

Also covered by the entry fee is a dinner-dance for each player and guest at which door prizes will be given away, and there will be the opportunity for golfers to win tournament prizes as well. Closest to the pin prizes will be given both days on all par three holes, for example.

Golfers with no established handicap may compete by submitting at least five verified scorecards from rounds played on any Southern California Golf Association-rated course, or equivalent. Scorecards may be turned in to the tournament handicap chairman by Sept. 1. All handicaps are subject to revision by the tournament committee.

The field will be limited to the first 144 entries received, and the deadline for entries is Sunday, Sept. 7.

A limited number of rooms have been reserved for golfers' use at the Miramar NAS Lodge, which is located a 15-min. drive from the Navy golf course. For information or reservations, contact Jerry Luke by calling (714) 281-0432.

Registration open for final hunter safety course this year

Registration is now being conducted for the final hunter safety course to be offered this year by the Sierra Desert Gun Club.

Those interested in attending this class, which will be held on Saturday and Sunday, Aug. 23-24, can sign-up tonight and Tuesday night from 7 to 9 o'clock, and tomorrow from 8 a.m. to 12 noon in the lobby of the Ridgecrest Police Station.

There is a \$10 registration fee that is payable at the time those wishing to attend sign up for the class. About \$8 of this amount will be refunded to students who complete the course.

The course is open to all residents of Indian Wells and Searles Valleys and the surrounding areas, and will be held at the Sierra Gun Club's rifle and pistol range and clubhouse facilities located on Sportsman's Road on the Naval Weapons Center.

In California, all first-time purchasers of a hunting license must present evidence of having completed a training course in firearms and archery safety, sportsmanship, and game management and conservation that has been taught by a California State certified hunter safety instructor.

The upcoming hunter safety course on Aug. 23-24 will be conducted by qualified gun club instructors. It will involve approximately 11 hours of classroom instruction that will be climaxed by an hour-long written final examination.



PERFORMANCE REWARDED — Mrs. Alita Connell joins Capt. W. B. Haff, NWC Commander, in pinning the Navy Achievement Medal awarded to her husband, LCdr. Jack Connell. — Photo by Ron Allen

LCdr. Connell gets medal for superior performance of duties

LCdr. Jack P. Connell, F-18 Project Officer (Code 3107) at the Naval Weapons Center, was honored last Friday at a ceremony during which he received the Navy Achievement Medal.

Presentation of the medal was made on behalf of the Secretary of the Navy by Capt. William B. Haff, NWC Commander.

LCdr. Connell was cited for his superior performance of duty while serving from December 1978 to February 1980 as Strike Warfare Officer on the Commander 7th Fleet's Carrier Strike Force.

Home port for the Carrier Strike Force was Subic Bay on the Island of Luzon in the Philippines, but throughout the period covered by the Navy Achievement Medal citation, LCdr. Connell spent more than 80 percent of his time at sea on various aircraft carriers including the Consolation, Ranger, Kitty Hawk, and Nimitz during cruises in the western Pacific and Indian Ocean.

In the citation that accompanied the medal presented to LCdr. Connell, he was commended for serving as chairman of the 7th Fleet Warfare Committee — a group for which he "provided dynamic leadership in establishing a forum for upgrading strike warfare training, weapons loadouts for deployed aircraft carriers, and weapons training expenditures, as well as support for air unit deployments to the Republic of Korea."

LCdr. Connell joined the Navy in 1962 and received a commission as ensign in 1966 after attending Aviation Officer Candidate School. Flight training followed at Pensacola, Fla., and at Meridian, Miss., he received his wings of gold in 1967.



PA Line is back on the air.

Centerites who dialed NWC ext. 2345 to catch the latest NWC news and found a seemingly unanswered telephone during the past several weeks can blame the gremlins that inhabit any mechanical equipment.

The necessary components to repair the recording device finally arrived, are installed and functional.

Messages on PA Line are changed twice each week; once on Monday afternoon to include announcements made at the Commander's meeting Monday morning, and once on Thursday afternoon to include happenings during the week.

As a naval aviator, LCdr. Connell has flown both the A-4 Skyhawk and the A-7 Corsair II.

He reported for duty at the Naval Weapons Center this past March, and was accompanied to China Lake by his wife, Alita, and their two daughters — Lara, who is 12 years old, and Cathryn, age 7.

Use of pesticides on Center insects to be reconsidered

In a recent survey of the use of pesticides on NWC, the Environmental Health Officer of the NRMCC branch clinic discovered that pesticides are being applied in residential and business areas of NWC for several species of harmless insects.

This raises immediate concern for the health and welfare of the residents of the Center. The concern is increased because most pesticides, including many over-the-counter varieties, have a residual effect which makes them toxic for periods up to thirty days.

In recent years public awareness of the hazards of pesticide use has resulted in new laws and regulations governing the use of these chemical poisons.

In the past, pesticides had often been applied indiscriminately regardless of the danger to humans. This practice is no longer acceptable; consideration of the effect of pesticide usage on the environment and human population requires that a real danger to humans from a particular pest be determined before pesticides are applied.

What this means in practical terms is that a "nuisance" pest (such as a beetle) may or may not carry disease. If this pest is capable of biting humans and its bite can spread disease, only then does it represent a threat to the human population and some form of treatment should be performed for control.

In view of these factors, the NWC Pest Control Contractor, in conjunction with the Environmental Health Office of the NRMCC branch clinic and the Center Environmental Protection Office, will conduct surveys of the insect populations on NWC to determine their location and their degree of harmfulness to human populations prior to any pesticide spraying. These surveys will be performed because excessive exposure to a pesticide can be far more harmful than the insect being treated. If, and only if, a particular insect is found to be harmful to man should chemical control be used on that insect.

Hillyer tells ideas on how to maintain Center's creativity

"People like you who renew themselves through training help keep the Naval Aircraft Weapons Center from becoming stale and atrophying," Bob Hillyer, NWC Technical Director, told graduates of Navy-sponsored college training last Friday.

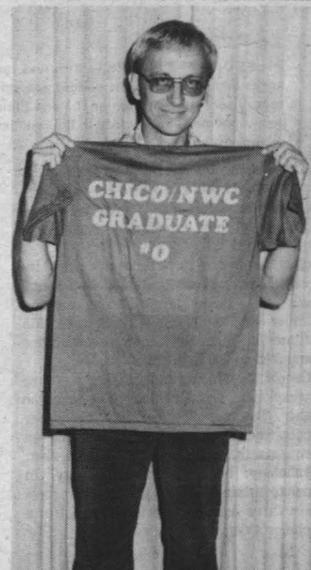
Hillyer was keynote speaker for the annual lunch honoring NWC employees who have completed basic or advanced college degrees in external or long term training degree programs during the year.

Staff renewal, he said, is one of the prime ways in which an organization can maintain its creativity. Such renewal includes both formal and informal training, the ability to move around within the organization, and a reasonable turnover.

Other factors that help keep an organization viable, according to Hillyer, include pushing authority and responsibility as far down into the organization as possible, rewarding creativity, permitting failure (so that personnel are willing to take risks), and keeping direct communication channels open rather than only permitting communication through the chain of command.

"And never shoot the messenger who brings bad news," he added.

Dr. Richard Wallace and Dr. Merle Ruoss



FIRST OF KIND — John Weaver, the first NWC employee receiving a graduate degree in computer science from the Chico State external degree program shows a gift from his fellow students.

of California State College Bakersfield introduced the nine graduates completing the master of public administration program, and made special note of the one awardee of a bachelor of public administration degree, EMCCM Jerry D. Banister, who parked his camper on the college campus so that he could complete necessary class work before retiring from the Navy.

Dr. Orlando Madrigal from California State University Chico gave a short history of the external degree program in computer sciences offered by his school at NWC.

He introduced the first graduate receiving an external degree of master in computer sciences, John Weaver, who also received recognition from his fellow students in the form of a tee shirt proclaiming "Graduate No. 0" (since all computer scientists start counting at zero rather than one, they said).

Dr. Madrigal also presented Hillyer a charter for an NWC chapter of Upsilon Pi Epsilon, computer science honorary.

Charter members of the new chapter, selected on the basis of grades earned in computer science classes, are John Weaver, Janice Zenor, Bob Westbrook, Gene Schneider, Diana Lemon and Ray

Martinusen. Leroy Marquardt, acting head of the Aircraft Weapons Integration Department, expressed concern by Center management that the number of applicants for long term training programs has dropped dramatically.

Long term training, which does not necessarily lead to a degree, is one of the best ways for the Center to gain new technical expertise, Marquardt noted.

"Revitalizing this program is essential for the Center's future," he stated.

Three Centerites completed degree requirements through long-term training so far this year, and others expect to complete their degree requirements by January 1981. Special recognition was given to Matt Anderson, who represented the Navy in a Sloan Fellowship at the Massachusetts Institute of Technology during the 1979-80 school year.

San Clemente goats find temporary home in Kern River area

The first shipment of goats from Navy-owned San Clemente Island arrived at the Kern River Wildlife Sanctuary near Bloomfield Ranch this week.

The goats are being removed from San Clemente under Navy contract because they are destroying the habitat of endangered species of wildlife. Trapper Jim Clapp and Greg Hickman of the Alliance for Wildlife Rehabilitation and Education plan to use the goats to create firebreaks in the hillsides around Los Angeles by eating underbrush and grass.

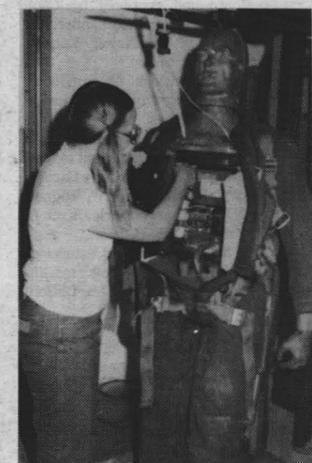
The goats were captured on San Clemente Island, barged to San Diego and then trucked to the Kern River Valley, where they will be kept until they are moved to the Los Angeles area by their new owners.

Dummies drop . . .

(Continued from Page 1)

parachute if he is unconscious or dazed. Drop tests must take place first to determine strength of the harness before live tests utilizing test parachutes can be run; the first drop tower test was of this system.

The modification of the MA-2 harness involved relocating the gated D-ring used to airlift personnel who have bailed out and landed from the area where they have come down. The current location of the gated ring led to a loosening of the parachute harness in flight as the harness rubbed against the ring. The second test was run to see if the structural integrity of the harness had been degraded by stitching the ring into a different location.



TUNE-UP — Jane Maurice, an instrumentation technician, ensures that "jumper" will relay all information needed to the TM ground station during his drop.

## Summer employment at NWC enriching experience

By Ed Kufnerman

Competition for summer jobs on the Naval Weapons Center is becoming more heated, according to this summer's figures.

Tina Rockdale, summer employee program coordinator, said she received 800 applications for summer jobs in technical, clerical, trades and labor fields. This is about double the amount that were turned in last year.

One reason for the dramatic increase in the number of applicants for summer positions is the school visitation program conducted by representatives from the Naval Weapons Center, according to Ms. Rockdale.

"I believe that one reason we received so many applications for this summer is because of activities such as the school visitation program that increases the visibility of the Naval Weapons Center," Ms. Rockdale said. "More and more science and engineering students are looking at the Naval Weapons Center as a good source of work experience, money and possible permanent jobs for the future."



**PILES OF PAPERWORK** — Kim Ives (seated), a clerical summer employee who keeps all the files for the budget analyst, corrects piles of bad charges with her supervisors Newella Hunter (l.) and Elaine Wunderlich looking on. Miss Ives will be a sophomore at Stanford in the fall. She is leaning toward becoming a political science major.

—Photos by PH2 Tony Garcia

The school visitation program covers many high schools and junior colleges within a 300-mile radius of the Center, as well as 51 colleges and universities across the United States.

The number of jobs accepted also increased from last year, although that figure wasn't as large an increase as the number of applicants. There are 316 summer hires on the Center this summer compared to 300 last year.

Out of the 316 workers, 16 are summer professionals hired at the GS-5 level or higher. Summer professionals are either faculty members or students working on their master's degrees in engineering, psychology, biology or anthropology. In order to obtain a GS-5, a person must have either three years of experience at a job or a bachelor's degree.

Another 150 persons are employed as GS-2 through -4 clerks or clerk typists, and 110 more are working in non-clerical positions such as engineering, computer, mathematics or physical sciences aids or life guards for the same pay grades.

Forty more summer hires have the title of summer aid, which means they have no pay grade and work for a minimum of \$3.10 per hour. Half of the summer aid positions are clerical, and the other 20 are in trades they can use later in life such as working with metal, electronics, plumbing, painting, carpentry or auto mechanics.

About 50 percent of the summer employees this year had worked here in previous years and were accepted without the necessity of having to take the summer employee examination.

According to Ms. Rockdale, most summer

hires are between the ages of 18 and 25 and come from all over the country.

The first summer employees started working on May 12, and summer jobs may continue until Sept. 30 if the employees are in the area that long. Most employees reported for work during the week of June 9-16 after the end of the school year.

A recreation committee for summer employees, junior professionals, and co-op students was formed this summer for the first time. Committee members Terry Connacher, Mike McLane, Diane Matthews and Eric Sommeria meet periodically to plan events such as pool parties, dances and other activities.

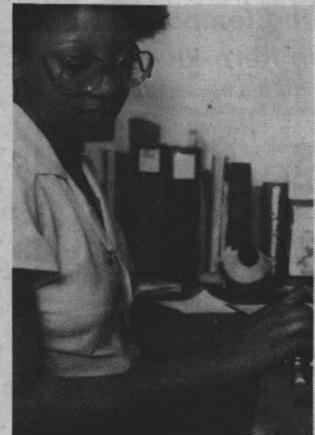
Ms. Rockdale plans to form another committee next year.

"I think it's going over very well, and the kids are taking advantage of it," Ms. Rockdale said. "The way it looks now we will have a recreation committee next year."

For the first time since 1978 on-Center housing was supplied for summer hires who did not have a place to stay in the immediate area. Workers live in two-bedroom duplexes and split the \$270 per month rent.



**EXAMINING LASER DYES** — Chris Gronet, an engineering aid who works in the Chemistry Division of the NWC Research Department, examines a flashlamp system that contains laser dyes. Gronet, who is testing laser dyes to find out the rate they degrade and if stainless steel affects that rate, will be a freshman at Stanford in the fall majoring in engineering and interested in the solar energy field.



**HER TYPE OF WORK** — Aleah Bivins finds her summer position as a clerk-typist in Code 366 at Michelson Laboratory to be her type of work. Ms. Bivins, who will take bookkeeping classes at Cerro Coso Community College this fall, types memos, letters and travel orders, files information and answers the telephone as part of her job.

## Seven applications endorsed for long-term training

Applications for long-term training that will begin with the start of the new school year have been endorsed by the Technical Planning Board and approved by Capt. William B. Haff, NWC Commander, for seven employees of the Naval Weapons Center.

In addition, extensions of previously approved training programs were approved for four other Centerites.

China Lakers who will be headed back to school in the fall for studies relevant to their current or future duties at NWC are Carolyn Merlo, Harry W. Holloway, Dan W. Wagner, J. Patrick Nalley, Sharon Werle, Scott B. Shumway, and Daryl E. Hinman.

Those who have been granted extensions of their long-term training programs are Jesse L. Hodge, Arthur J. Spiegel, Clifford J. Bicker, and Stanley T. Smith.

Ms. Merlo, a resource management analyst in the Resource Management Analysis Branch of the Office of Finance and Management, will enroll on Oct. 1 at the Naval Postgraduate School in Monterey, Calif., for the start of four quarters of training in financial management. This training will include such areas as statistics, management information systems, and financial control systems — all geared to prepare Ms. Merlo for future assignment as a principal financial advisor to senior technical managers at NWC.

Holloway, a physicist in the Laser

Systems Branch of the Systems Development Department, will be receiving training in optical science work at the University of Arizona in Tucson, where he will be enrolled for two semesters — from late August until June 1981.

Wagner, an employee of the Systems Development Department's Human Factors Branch, is due to enroll in September at California State University, Northridge. An engineering psychologist, Wagner will take courses that will increase his capability to conduct task analysis, operational sequence analysis, and workspace layout. He will remain at Cal-State Northridge for two semesters — until June 1981.

The next deadline for applications for long-term training is Oct. 1, 1980, for any educational programs starting in the spring or summer of 1981. NWC employees interested in applying can obtain further information or counseling by calling Terry Mitchell at the Training Center, NWC ext. 2574.

Two semesters of study at the University of California at Santa Barbara are in store for Nalley, an electrical engineer in the Fuze and Sensors Department's Microelectronics Branch. Nalley will enroll during September at UC Santa Barbara in courses in solid state electronics that help to better enable him to support such on-going NWC efforts as the foreign materials ex-

ploitation program, the high speed integrated circuit program, and hybrid failure analysis.

Ms. Werle, an electronics technician in the Engineering Department's Missile Support and Test Branch, is currently attending California Polytechnic State University at San Luis Obispo, where she is working on a degree in electronics engineering with a major in computer software. Approval of a long-term training application will enable Ms. Werle to continue studies that were started under other funding.

Shumway, a physicist in the Weapons Department's Special Projects Branch, will enroll early in September at the University of Utah in Salt Lake City, where he will remain for four quarters of schooling in engineering administration aimed at providing him with additional skills in the field of technical management. Shumway, who has been at China Lake since April 1972, is responsible for the latest modification to the actuation mine simulator.

Two semesters of additional study at the University of Southern California in Los Angeles lie ahead for Hinman, an electronics engineer in the Weapons Department's Electronics Branch. Hinman, an NWC employee for nearly five years, is involved in work with the Sidewinder missile guidance and seeker.

Hodge, who has been attending USC since last September, will remain there for an additional academic year under an extension of his long-term training authorization. An electronics engineer in the Systems Development Department's Target Recognition Systems Branch, Hodge is involved in pattern recognition studies using automatic computer algorithms.

Spiegel, who attended California State University in Los Angeles during the 1979-1980 academic year, will be returning there in September for one more quarter of study. He is a mathematician in the Fuze and Sensors Department's Short Range Missile Fuze Branch, and has been working on circuit analysis of the Sidewinder missile fuze.

Bicker, who is back at China Lake this summer, will be returning to the University of California at Davis in September for an additional quarter of training in the mechanical engineering field. Bicker, who has been at NWC since being hired as a junior professional in August 1975, is a mechanical engineer in the Research Department's Applied Combustion Research Branch.

Smith, a physicist in the Optical Signatures Program Office of the Weapons Department, attended Utah State University at Logan during the 1979-80 academic year, and has been granted an extension of four more quarters.

## Major goal for FWP/FEW is eliminating job discrimination

The Federal Women's Program (FWP) is an official government program that was integrated into the Equal Employment Opportunity (EEO) program in August 1969 by Executive Order 11478. The director of FWP is located in the Office of Personnel Management (OPM) and is responsible for promulgating and implementing FWP policies. FWP seeks to enhance Federal employment opportunities for women and to assure that women receive equal opportunities in every personnel management policy or practice in all areas of Federal service.

Every Federal agency has an FWP manager (formerly known as the FWP coordinator). The manager's responsibilities include being the agency's contact point and source of information, and being an advisor to the head of the agency on matters involving employment and career advancement for women.

In addition to the Federal agency, most local installations also have an FWP manager whose responsibilities are similar to the Federal FWP manager. The FWP manager at NWC has a full-time position located in the EEO office.

The FWP manager is often assisted in carrying out the objectives of the FWP by an FWP Committee. The FWP Committee at NWC is composed of volunteer members, both women and men of different grade levels and in a range of occupations spread throughout the work force. The NWC FWP Committee also has two active-duty military members who represent the concerns of military women on-Center.

The FWP Committee and the FWP manager meet on the first Wednesday of each month at 2:30 p.m. in the Joshua Room of the Community Center to discuss and plan various aspects of the program. When needed, special committee or subcommittee meetings are called.

FWP Committee meetings are open to anyone on Center. All civilian employees of the Federal government are covered by FWP and there is no requirement for formal membership. NWC's current FWP manager is Belle Hervey. She may be reached by calling NWC ext. 2348 or 2738.

### PRIVATE ORGANIZATION

Federally Employed Women, Inc. (FEW), is a private organization, and is concerned with similar goals to the FWP. Most importantly, FEW and FWP goals and objectives are formulated to eliminate sex discrimination in Federal employment.

FEW has specifically defined membership requirements and those who join must pay dues. It has a national governing board as well as local chapters around the world. As a private organization, FEW works as a constructive pressure group to improve the status of women employed by the Federal government.

FEW activities include lobbying about legislation pending in Congress, and meeting with management officials in all of the agencies to demonstrate support of the FWP, encourage officials to support the program, and also to obtain insight as to the effectiveness of the FWP at both agency and local levels.

FEW is not a labor organization and does not "represent" employees. However, FEW officers can meet with management officials to discuss matters that fall within their field of interest. FEW members may also represent complainants during the

### Hispanic Heritage Week to start September 14

Plans are now being made for the NWC celebration of National Hispanic Heritage Week, the week of Sept. 14.

The celebration will honor contributions made by Hispanic peoples who founded settlements in Florida and Georgia half a century before the Pilgrims landed, and who have played a vital role in American life ever since that time.

processing of complaints.

Where such privileges are extended to other non-agency groups, FEW members may use agency meeting rooms, post notices on bulletin boards, and place announcements in agency newspapers.

Managers and EEO officials may join FEW and hold local or national office. There is no conflict between being a Federal government employee, which is automatically covered by the FWP, and joining FEW. In fact, those persons officially having FWP responsibilities are encouraged to work with FEW officers and members to develop goals and objectives for agency/installation Affirmative Action Plans, and other program initiatives designed to meet the agency's needs and to ensure equality of opportunity for women.

Through this FWP/FEW team effort, the mutual goal of eliminating sex discrimination in employment in the Federal sector is achieved. Gayle Ammerman and Wanda Clark are co-directors of the Indian Wells Valley Chapter of FEW, which has been in existence for 3 years. Membership is open to any Federal employee in the area.

Monthly meetings are held the second Thursday of each month, usually in the Community Center, at a brown bag luncheon with a program of interest to Federal employees.

Anyone is welcome to attend the luncheon meetings. Answers to questions regarding FEW can be obtained by calling either Ms. Clark, at NWC ext. 3361 or Ms. Ammerman, at NWC ext. 3224.

### July marks eighth successful month of Navy recruiting

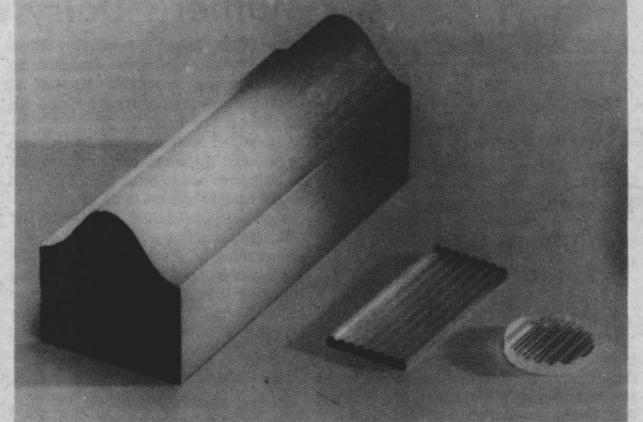
The Navy recruiting command has announced that July was another successful month for recruiting. This marks the eighth consecutive month of such success — another new recruiting command record.

During July, 8,413 persons were enlisted in regular and reserve (active and inactive) programs. This represents 100.2 percent of July's goal.

Through the first ten months of Fiscal Year 1980, 79,199 persons have been enlisted for an overall track record of 101.3 percent of the entire year's goal.



**NEW RANK** — Eric Jewell has the happy task of attaching shoulderboards showing his father's new rank as CWO2 James A. Jewell was frocked to CWO3 recently. Frocking is a process whereby an officer or chief receives all the rights and privileges of the next highest rank without receiving a raise in pay. Frocking is implemented when the officer has been selected for promotion but has to wait for a promotion date. CWO3 Jewell has been stationed at the China Lake branch clinic of the Naval Regional Medical Center for four years; he was the second physician's assistant to be sent to China Lake.



**HOW TO MAKE A LENS** — The preformed optical glass (l.), which is drawn out when heated to produce fiber optics strands, can also be used to make wavy beam spreader lenses. The intermediate step occurs when fiber optic strands are joined (middle); the lens can be cut out and is ready for use in optical fuzes without any further grinding. The ends of the preform and the fiber optics strands were darkened so that they could be more easily photographed.

## Fiber optics technology used in making wavy-surfaced lenses

Fiber optics has revolutionized fields from computer operations to medical operations.

The flexible glass tubes have carried images down their lengths to aid doctors in literally getting an inside look at their patients, to help carry information from within machinery and equipment to engineers and scientists, and for other more exotic purposes.

Ed Middlemiss, in the Short Range Missile Fuze Branch of the Fuze and Sensors Department, however, has decided to go at a right angle to the fiber optics world. He is using fiber optic fabrication technology to produce lenses with wavy surfaces that can be stretched out rather than having to be finished by demanding grinding techniques.

### SIGNIFICANT SAVINGS

He lays several strands of optical glass side by side, joins them, and then cuts wavy beamsprayer lenses from these parallel strands. The resultant lenses can be used in an optical fuze; produced in quantity, they should result in significant savings to the Navy during the production of such weapon

systems as the Sidewinder.

Fiber optics strands are made by heating one end of a thicker tube preformed from optical glass, and then pulling it out like taffy. In the technique for lens making that Middlemiss developed, a preform with one rounded side is drawn to about one-fourth its size, then broken into long strands that are laid side-by-side and drawn down again while being soldered into one wavy piece.

The soldering of glass is accomplished by painting the sides of the strands to be joined with a slurry of glass frit (low-melting-point glass that has been finely ground and mixed with a binder). As the glass is heated, the ground glass melts and sticks the preformed pieces together as they are further drawn out.

When the final thickness (or, to be accurate, the final thinness) has been attained, lenses can then be cut out of the joined group of strands and are ready for use without any grinding of the surface.

The actual wavy surface of the lens is smooth enough for use because, if the preform is ground finely enough, remaining surface irregularities will smooth out when the glass is heated. (This technique is known as fire polishing; fire polishing the six-stranded fiber optic glass is considerably cheaper than having to grind and polish by conventional techniques six waves on the surface of a lens.)

Middlemiss, a physicist, has been working with various fiber optic techniques since coming to NWC nine years ago. He is now making another prototype lens using the new technique, and feels certain that this prototype will meet the requirements for a Sidewinder optical fuze.

### Relocation meeting for animal shelter scheduled Tuesday

Anyone who is seeking additional information about the Ridgecrest animal shelter relocation is welcome to attend a meeting of the Ridgecrest Animal Shelter Committee on Tuesday at 7:30 p.m. in the Burroughs lecture center.

Don Gaye will give a presentation and respond to any questions asked by the audience. This committee has recommended that the shelter be built in the civic center complex of buildings.

### Paper roses in bloom on NWC fences, roads

The Kleenex bushes are blooming again along the perimeter fence and at roadsides on the Center.

Anyone passing by is encouraged to pick the "blossoms" and deposit them in the nearest trash container.