

**MOVIES**

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** **APRIL 4**  
"LEGACY"  
Starring  
Katherine Ross and Sam Elliott  
(Horror-drama, rated R, 100 min.)

**SATURDAY, MONDAY** **APRIL 5, 7**  
"NORTH DALLAS FORTY"  
Starring  
Nick Nolte and Mac Davis  
(Comedy-drama, rated R, 118 min.)

**SUNDAY** **APRIL 6**  
"WHO'S KILLING THE  
GREAT CHEFS OF EUROPE"  
Starring  
George Segal & Jacqueline Bisset  
(Romantic-comedy, rated PG, 112 min.)

**WEDNESDAY** **APRIL 9**  
"RUNNING"  
Starring  
Michael Douglas and Susan Anspach  
(Drama, rated PG, 104 min.)

**Noel Coward comedy opens next weekend for four-show run**

"Private Lives," a comedy by Noel Coward, will lead this year's Community Light Opera and Theatre Association's (CLOTA) 1980 season. Its performance dates are scheduled for April 11, 12, 18 and 19 at the Burroughs High School lecture center.

Considered by many to be one of the most popular plays of Noel Coward's work, "Private Lives" is a sophisticated high comedy. It is the story of misadventures created by an exchange and re-exchange of husbands and wives.

Because of low audition response, both director Rus Stedman and assistant director Nancy Miller Nowack will double as cast members in the parts of Elyot and Amanda respectively. Others in the cast are Tom Lehmann as Victor, Kathy Schimpf as Sibil and Colleen Wilson as Louise.

Those responsible for the technical aspects of this show are Mark Claunch, technical director; Lisa Duckworth, stage manager; Mike Hastings, lighting and sound director; Rus Stedman, set design; and Al Senn, hair stylist.

Curtain time is 8:15 p.m. Tickets are currently on sale and are available at the Gift Mart, Medical Arts Pharmacy, the Neighborhood Store, from cast members or at the box office. Price of admission is \$3 for the general public and \$2 for students, senior citizens and military.



—Photo by Reid Baker

**TAKING TIME FOR DISCUSSION** — Director Rus Stedman (seated far r.) goes over a scene from Noel Coward's "Private Lives," CLOTA's first production for this year. Listening intently are (from l. to r.) Colleen Wilson, Tom Lehmann and Nancy Miller Nowak. The show opens April 11 and continues on April 12, 18, and 19 at the Burroughs High School lecture center. Curtain time is at 8:15 p.m.

**Legal Aid Society offers free legal help to local needy**

Needy persons in the Ridgecrest/China Lake area with legal problems may receive assistance through Legal Aid of Indian Wells Valley, Inc., which is funded by the United Way.

Persons seeking assistance from Legal Aid are first interviewed by a volunteer to determine eligibility, which is based on income, number of dependents and degree of indebtedness.

Eligible applicants are then referred to an attorney and Legal Aid, Inc., pays the initial fee. If the problem cannot be resolved by just one visit, Legal Aid will then decide if further funding can be provided depending upon the circumstances of the case.

Individuals in this area who are interested in an interview with Legal Aid may stop at the Red Cross Office at 55 Lauritsen Rd., China Lake, between 4:30 and 5 p.m. on Mondays, or they may contact the Desert Counseling Clinic in Ridgecrest by calling 375-9781.

Legal Aid is made up of mostly volunteers and new members are always welcome, a spokesman said. Anyone who would like to volunteer his or her services to this group should call Marj Boehme at 375-9781 or Gerry Baker at 375-9161 for further information.



**Commissioned Officers' Mess**  
This Sunday the Commissioned Officers' Mess welcomes all members and guests to a special Easter buffet held from 1:30 to 8 o'clock.

A price of \$7 per adult and \$3.50 for children will include a choice of prime rib of beef, baked Virginia ham, or roast turkey with all the trimmings.

Reservations, which are a must, can be made by calling the COM office at 446-2549.

Coming up on Saturday, April 12, is another of the COM's famous Membership Nights.

From 6:30 to 9 o'clock the COM dining staff will prepare and serve a meal consisting of breast of chicken, baked potato, and vegetables.

The Sounds Of Country, a versatile music group from Studio City, Ca., will be performing for the listening and dancing pleasure of members and guests from 9 to midnight.

Reservations must be made no later than Friday, April 11; and the price for this gala affair is \$4 for members and their spouses, and \$5 for guests.



— Photo by Ron Allen

**CULTIVATING WITH CARE** — In anticipation of the third annual Hi Desert Escapade Standard Flower Show, Marianne Kistler prepares her flowers for entry. This year's show will be held at the Enlisted Mess on Saturday May 3, from 1 to 7 p.m., and on Sunday May 4, from 10 a.m. to 4 p.m. Admission is free.

**Third annual flower show to be featured at Hi Desert Escapade**

Horticulture will be an important feature at the third annual Standard Flower Show.

This show, which is jointly sponsored by the Desert Planters of Ridgecrest, Oasis Garden Club and Maturango Museum of Indian Wells Valley as part of the Hi Desert Escapade, will be held on Saturday, May 3, from 1 to 7 p.m., and on Sunday, May 4, from 10 a.m. to 4 p.m., at the Enlisted Mess. It will be open to the public free of charge.

This is a Standard Flower Show in conformance with regulations recognized by the National Council of State Garden Clubs, Inc., and California Garden Clubs, Inc. The show will feature an extensive wildflower exhibit of over 200 different species.

Alice Hirsch, chairman of the "Bloomin' Delights" Flower Show, urges all gardeners in the area to enter this year's event. All horticulture specimens entered must have been grown by the exhibitor in the high desert environment from stock that was in the exhibitor's possession for at least 90 days prior to the show.

Uniform brown bottles will be used for all cut specimens. Bottles will be provided to those entering at the time of pre-registration. All entries are to be correctly named and legibly labeled. Botanical names are preferred, although common names will be accepted.

All plant material exhibits should be clean, free of insects, disease or spray residue. No leaf-shine or oil may be used to clean plants. However, a little milk on cotton is a successful method.

There is no limit to the total number of entries for any exhibitor, but only one entry in a class or sub-class is permitted.

Horticulture specimens will be judged according to cultural perfection, including form, color, substance, size, stem, foliage and distinction according to species.

**Navy League to hear talk by Belle Hervey at Thursday meeting**

Belle Hervey, Federal Women's Program Coordinator at the Naval Weapons Center will be the featured speaker at the April meeting of the Indian Wells Valley Council of the Navy League on Thursday, April 10, at the Hideaway restaurant in Ridgecrest.

A social hour will begin at 6:30, with a steak dinner scheduled for 7:30 p.m. The dinner plus tax and tip is \$9.75 a person; reservations must be made by Sunday, by telephoning 377-5276, 446-5914, or 446-5763.

The public is invited to attend.

horticulture division are such classes as roses, iris and various kinds of bulbs, corms, tubers and rhizomes. Cut specimens will include 14 additional classes of flowers, and exhibitors are invited to bring flowers not listed in a specific class to enter as "any other worthy cut specimen."

Herbs constitute another section of the horticulture division, as do shrubs grown for foliage, flowering vines and trees, and shrubs in bloom (no branch over 28 in. from lip of bottle will be accepted).

**Native Plants Show**

There is also a section for owner-grown native plants as well as fruits and vegetables, which will be exhibited in clear plastic containers in water, with tops on root vegetables.

In addition, terrariums (plants grown in covered, transparent containers), bottle gardens and dish gardens will be exhibited.

All entries must be pre-registered with Nelda Darling, the entries chairman, by sending or delivering the entry forms to her at 624 Allen St., Ridgecrest. The horticulture specimen must be received no later than April 30. Additional information can be received by calling 375-2135.

Entry forms have been printed on the back of the schedule for the Hi Desert Escapade "Bloomin' Delights" flower show, copies of which may be obtained from the Ridgecrest Library, Indian Wells Valley Water District, Ridgecrest Chamber of Commerce, Maturango Museum, Mean's Nursery or the Center Library. In Inyokern they may be picked up at the Country Store or Our Shop.



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

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**nwc rocketeer**

Naval Weapons Center  
China Lake  
California

April 4, 1980

Vol. XXXV, No. 14

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**DEVELOPMENT TESTING UNDERWAY** — Ed Teppo, latest recipient of the NWC Technical Director's Award for his outstanding efforts in furthering the advancement of laser technology, looks over a target locator and target designator that makes use of a laser. Known as the MULE (Modular Universal Laser Equipment), it is one of nearly two dozen laser programs supported by personnel of the Laser Systems Branch, headed by Teppo. Currently, Code 3151 employees are conducting development testing of the MULE for the Marine Corps. MULE is a type of man-portable gear that can be moved to forward artillery observation posts.

**Sexual harassment not tolerated says Admiral A. J. Whittle, Jr.**

In a recent policy directive, Admiral A. J. Whittle, Jr., Chief of Naval Material, advised all personnel of the Naval Material Command that sexual harassment will not be tolerated. The directive applies to all civilian managers, supervisors, and co-workers and to military officer and enlisted personnel.

The directive, Chief of Naval Material Notice 5350 of Feb. 19, 1980, reflects current Congressional, Office of Personnel Management, and Navy Department concern and is not a result of any unusual or significant evidence of sexual harassment.

Commanding officers are to inform all personnel of the policy and procedures for remedy, institute full and impartial investigations of reported incidents, take disciplinary action where warranted, and designate within the command point(s) of contact where an employee can receive confidential and objective advice regarding sexual harassment.

The employee who feels sexually harassed is instructed to make it clear to the perpetrator that such behavior is unwelcome and to report continued harassment to the appropriate supervisor.

Sexual harassment, as defined in the notice, includes deliberate or repeated unsolicited verbal or written comments, gestures, and physical contacts by supervisors or co-workers of a sexual nature which are unwelcome.

Sexual harassment also includes employee misconduct which undermines the integrity of the employment relationship, debilitates morale and interferes with work productivity; personnel practices when

they result in discrimination for or against an employee on the basis of conduct not related to performance (such as taking or refusing to take a personnel action because of an employee's resistance to or protest against sexual overtures); and implicit or

(Continued on Page 3)

**Teppo gets TD Award for work on laser technology and design contributions**

Presentation of the NWC Technical Director's Award in recognition of outstanding technical achievement to Edward A. Teppo highlighted last week's Commander's meeting held in the Management Center of Michelson Laboratory.

The award was presented to Teppo, head of the Laser Systems Branch by Bob Hillyer, NWC Technical Director, who commended the honoree for the excellent work he has done to further the advancement of laser technology.

In the letter of commendation that accompanied the Technical Director Award, it was noted that Teppo is "recognized, both within the Department of Defense and industry, as one of the country's outstanding experts in 1.06 micron laser systems and components — both their virtues and foibles. Many laser devices, both deployed and under development, reflect your design contributions."

In addition to the letter of commendation, Teppo also received an engraved paperweight and a \$200 stipend that accompanies this special form of a Superior Achievement Award.

Teppo was nominated for the Technical Director Award by Dr. Marguerite M. Rogers, who retired recently as head of the Systems Development Department. Because of Teppo's contributions and his excellence in laser technology, NWC has been generally accepted as the lead Department of Defense Laboratory for low power 1.06 micron lasers, Dr. Rogers pointed out.

"This in-house laser design capability is urgently needed in the Navy and DoD if one considers the large number of laser systems that are already in the Fleet or will be in service in the near future," Dr. Rogers added.

Teppo joined the work force at the Naval Weapons Center in October 1967, right after being graduated with a master's degree in physics from Montana State University at Bozeman. He also has a bachelor's degree

in mathematics and physics that he received in 1964 from Wisconsin State University in Superior.

He joined the Guidance Systems Branch in Code 405 (the former Infrared Systems Division), and has been involved in laser technology work here for the past 12½ years. Projects in the Laser Systems Branch, which Teppo has headed since February 1976, include optics and exploratory work, as well as advanced and engineering development leading to production and Fleet support.

Under Teppo's direction, an expendable laser illuminator was designed and its feasibility was demonstrated. While high performance in a small package at a low cost is a major system design constraint, this laser is configured to fit into a 3.6-in. diameter tube, weighs just 7 lbs., and is less than 200 cu. in. in volume. The output energy is 75 millijoules and the pulse repetition frequency is 60 Hz. All military services are now developing guidance systems utilizing expendable laser technology.

In addition, a unique high peak power, high repetition frequency laser was demonstrated under the direction of Teppo. This laser, one of the first of this kind, enabled NWC to provide technical consulting services to other DoD agencies, such as the Naval Surface Weapons Center, Dahlgren, Va., for the Seafire program.

**Program Established**

Recognizing the need for further laser component development, Teppo established a comprehensive program to (1) understand the fundamental causes of observed performance differences among Nd:YAG laser rods, and (2) to develop simple test procedures to predict the performance of a laser rod by passive measurements alone. The program is demonstrating that new rod specifications are necessary.

Also to his credit, Teppo established a laser optics program. Its primary objective is to address the key production problems that dictate specifications vs. requirements, producibility, cost, reliability, and interchangeability in laser optics.

Teppo has contributed substantially to most of the major laser programs in the Navy, such as the A-6E Intruder Target Recognition Attack Multisensor, the OV-10D Bronco Night Observation Surveillance System and Lightweight Lasers.

In addition, the Army's Hellfire / Ground Laser Designator Program Office regularly seeks his advice, and Teppo has received letters of appreciation and commendation for his support of laser programs.

Teppo holds several patents, most notable of which are those for a common optics laser transmitter and gimbaled active optical system, and has published more than 200 technical memoranda and reports. His overall technical leadership has been instrumental in the solution of many laser related programs in the DoD community, his department head wrote in recommending him for the NWC Technical Director Award.


Teppo acknowledges the sizable contribution of laser engineers and technicians of the Laser Systems Branch in the achievement of this award.



**FULLY QUALIFIED** — PRCS Ron Allen congratulates PRAA Lisa Arsenault on becoming the second military woman test parachutist in the Department of Defense on completion of her final qualifying jump Wednesday, March 26. PRAA Arsenault's jump, her 22nd, was one in a series performed to gather biomedical information for research purposes. Listed as an outstanding performer by her supervisors in the Parachute Systems Department, PRAA Arsenault will now go into regular training on advanced free fall jumps. — Photo by Ron Allen



## Easter Services



Following is the schedule of Catholic and Protestant services during the remaining portion of Holy Week, beginning today and ending on Easter Sunday. All services will be held in the Main Chapel unless otherwise noted.

**PROTESTANT CONGREGATION**  
Holy Saturday, Vigil of Easter, 7:30 p.m., Small Chapel  
Easter Sunday Service, 10 a.m.

**CATHOLIC CONGREGATION**  
Good Friday Liturgy of the Passion, 5 p.m.  
Saturday, Vigil Mass, 5 p.m.  
Easter Sunday, Masses at 8:30 and 11:30 p.m.

**Confession Schedule**  
Good Friday, confession, 3:30-4:30, Blessed Sacrament Chapel

# A HAPPY EASTER TO ALL

### Federal Women's Program honors secretaries, clerks on April 16

The Federal Women's Program (FWP) will present its second annual Secretaries' Day on Wednesday, April 16, featuring two workshops and an awards luncheon during which the FWP Secretary of the Year Awards will be presented by Capt. L. P. Aldana, NWC Vice Commander.

Secretaries' Day honors and recognizes the contributions of the secretarial and clerical staff to the work of the Center.

Highlight of the day will be the award luncheon to be held in the Commissioned Officers' Mess from 11:30 a.m. until 1 o'clock. Capt. Aldana will speak on "The Value of Secretaries to the Center;" he will then present the Secretary of the Year Awards.

Lunch choices are a chef salad for \$3.95 or oven roasted chicken for \$3.40. Reservations must be made by the close of business on Monday, April 14, by telephoning Eloise Burklund at NWC ext. 2634.

Both of the workshops will be presented by Helen Reynolds, a management consultant; they are of interest to men and women who serve in roles other than secretarial or clerical as well as secretaries and clerks.

The Time Management for Secretaries Workshop will be held in Cactus Hall of the Community Center from 8 to 11 a.m. The goal of the workshop is to enable the effective secretary to manage time in a world of accelerating change. Topics to be covered are setting priorities, effectively delegating, effectively managing office routine and files, and planning for self-development.

The afternoon workshop, planned from 1:30 to 4 p.m. in the Community Center, will cover effective office management. It will emphasize how to increase personal effectiveness, thereby increasing the contribution of each individual to the organization.

No advance registration is necessary to attend either workshop. All NWC employees are welcome to attend.

### Enrichment College solder and brazing class begins Tues.

A specialized course in mechanical solder and brazing will be offered by Cerro Coso Community College's Enrichment College and taught by Jim Moses.


The course will be offered on Tuesdays and Thursdays from 5 to 6:50 p.m., April 8 through June 6.

Students taking this course will receive instruction in solder theory, including physical properties, melting and bonding characteristics, alloy selection, types of fluxes and heating requirements.

Each student will also perform several practical exercises utilizing propane or oxygen-acetylene torches with a variety of silver solder alloys. Training will include brazing of copper, aluminum, stainless steel, cast iron and mild steel.

Registration will be conducted at the first class session or individuals may register at the College Office of Admission and Records Monday through Thursday from 9 a.m. to 8 p.m. or on Friday from 9 a.m. to 5 p.m.

## The Rocketeer



Official Weekly Publication  
Naval Weapons Center  
China Lake, California

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News Stories Tuesday, 4:30 p.m.  
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## Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 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. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 096 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

**General Engineer, GS-801-14, PD No. 8039018E, Code 3907** — This position is that of Head, Tactical Air-launched Cruise Missile (TALCM) Support Office, located in the Weapons Department. The incumbent serves as the NWC focal point on the TALCM Program to the Joint Cruise Missile Project Office (JCMPPO). The incumbent is responsible for all TALCM tasks assigned at the Center and also serves as coordinator over other Navy field activities for the JCMPPO. The incumbent interfaces with major systems contractors for the JCMPPO. Job Relevant Criteria: Bachelor's Degree in Engineering plus 10 years of progressively responsible experience; training in the development and system acquisition of Missile Weapons Systems as required. The incumbent must have direct experience in management of major weapons systems; be knowledgeable in current techniques of technical program management; knowledge of contracting involving complex state-of-the-art technologies.

File applications for the above with Kitty Berry, Bldg. 34, Rm. 208, Ph. 2723.

**Electronics Engineer, GS-855-13, PD No. 7934029E, Code 3422** — This position is located in the Systems Electronics Branch, Systems Engineering Division, Engineering Department. The incumbent performs senior level systems engineering functions on the AIM-9M and related missile guidance systems, at the initial development and prototype level and during transition into production. Job Relevant Criteria: Technical understanding of AIM-9M electronics and system operation; demonstrated capability for system design and analysis in air-to-air missile electronics for guidance systems.

Secretary (Typing), GS-318-4, PD No. 7934318M, Code 3432 — This position is part-time NTE 39 hrs. Position is located in the Missile Guidance Branch, Product Design Division, Engineering Department. Incumbent performs a variety of secretarial/clerical duties in support of the branch head and other branch personnel including preparing correspondence, typing, maintaining records and files, obtaining supplies and support services, scheduling appointments, and acting as receptionist. Job Relevant Criteria: Knowledge of rules and procedures associated with correspondence preparation and records and files maintenance; ability to type (a qualified typist is required); ability to maintain effective working relationships with supervisor and co-workers; ability to meet and deal effectively with personnel from outside the branch in performance of receptionist duties; knowledge of spelling, punctuation, and syntax sufficient to identify and correct grammatical errors.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 208, Ph. 2723.

**Electronics Engineer, GS-855-11 or 12, PD No. 7942085E, Code 4422** — This position, located in the Telemetry Operations Branch in the Range Department, is that of a design engineer for the development and acquisition of digital and analog telemetry instrumentation systems. Typical work assignments will include modernization of telemetry facilities, designing digital interfaces between telemetry systems, etc. Job Relevant Criteria: Knowledge of instrumentation design; knowledge of digital control concepts.

**Aerospace Engineering Technician, GS-802-12, PD No. 8064008E, Code 6411** — This position is located in the Engineering Investigations Branch. The branch is responsible for exploratory development, engineering design, test, and evaluation of parachute systems and components. This position will provide engineering direction and support for specific engineering efforts in the branch. It will involve all facets of the branch's work, from exploratory development to test and evaluation. This position may be filled at the GS-12 level only after documented review indicates the superior qualifications of selectees in the specific areas of this position. Status eligible accepted. Job Relevant Criteria: Knowledge of aerospace testing procedures; knowledge of aerospace

### NSAP assignment opportunity offered

Commanding General, Marine Corps Development and Education Command, NSAP Laboratory Representative — This position will be filled by temporary lateral reassignment of the candidate selected. Engineer all series, Physicist, Operations Research Analyst, GS-12/13/14. Position Brief: A position exists as the Navy Science Assistance Program Laboratory Representative to the Commanding General, Marine Development and Education Command. Duty location is in Quantico, VA, and will commence about August 1 for a period of one year. The incumbent will serve on the staff of the Commanding General and will be the technical interface between MDEEC, the Navy Laboratories/Centers and other Navy technical organizations on NSAP and Command RDT&E matters. Areas of particular interest are aircraft sensors and weapons. Qualification Requirements: Applicants for the position must meet the following selection factors in order to be given further consideration. Broad experience in tactical utilization and capabilities of aircraft sensors and weapons, experience in conducting weapon system investigations, knowledge of the systems acquisition process and the ability to provide oral and written communication. Factors used to evaluate eligible candidates are: (1) familiarity with tactical usage of air weapons and air warfare; (2) ability to communicate with high ranking civilian and military personnel in situations requiring a high degree of tact, diplomacy, and sound judgment; (3) the ability to make sound technical recommendations and accept responsibility for decisions; and (4) communications skills.

File applications for the above with Linda Bego, Bldg. 34, Rm. 212, Ph. 2726.

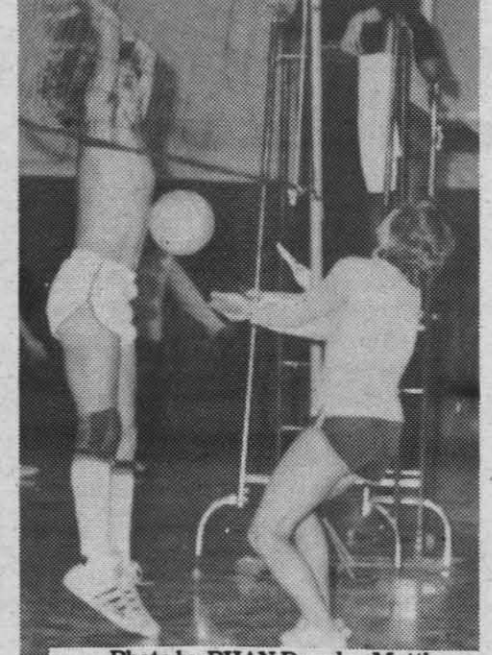
### Intermural volleyball action begins last week for 4 leagues

Fast and furious volleyball action began in the Intramural League last week when the four leagues playing all got rolling.

On Tuesday, March 25, the Thumpers and Bumpers took on Uncle Dave's Hoods and thumped them two matches to one. Poison beat the Volleys by the same 2-1 margin, while the Pioneers rolled over Code 254 by a 3-0 score.

The next night's play was not a good one for the losing teams; they all got blanked. Fore Pause beat Brown 3-0; Ones beat Six Sets 3-0; Doggie Daddies beat Jungle Ballers 3-0; Pioneers beat Code 258 3-0; and the practical Hard Liquors beat the Non-Dairy Creamers 2-0 and quit since two wins is all that's needed. Poison lost to Thumpers and Bumpers by a forfeit.

Play Thursday proved a bit more equal, with the Doggie Daddies prevailing over the Non-Dairy Creamers 2-1; Nice Sets over Six Sets, 2-1; Volleys over Uncle Dave's Hoods 2-1; and Code 258 over Code 254, 2-1. The Ones beat Brown 3-0, while the Hard Liquors again scored a 2-0 win, this time over the Jungle Ballers.



— Photo by PHAN Douglas Matthews  
**WHOOOPS** — Kirk Fisher and Charlott Wee, playing in a Co-ed B League volleyball game, go for the ball that seems to be eluding both of them.

### Scholarship offered by Officers' Wives for local students

Deadline for a \$1,000 scholarship being offered by the Officers' Wives Club is Wednesday, April 30. Applications must be turned in by that date to Mrs. A. B. Adams, 501 Essex Circle, China Lake.

Eligible to apply are dependent children of active duty and retired military personnel who are graduating seniors from Burdett or Mesquite High Schools, or students at Cerro Coso Community College who plan to attend a four-year college. The scholarship may be used for either college education or vocational training.

Applications may be obtained from school counselors.

### 'Women in Crisis' topic of meeting of FEW on Thurs.

Dr. Rita McCullough, a licensed clinical psychologist at the Desert Counseling Clinic, will discuss "Women in Crisis" at the April meeting of Federally Employed Women. The meeting will be held in the Sidewinder Room of the Community Center on Thursday, April 10, from 11:30 a.m. until 12:30 p.m.

Dr. McCullough will talk about the various life crises that women face and will give some suggestions about how it is possible to grow through facing a crisis.

Everyone is invited to attend; those attending are reminded to bring a brown bag lunch.



— Photo by PHAN Douglas Matthews  
**FINAL TOUCHES** — Two University of Redlands students at NWC's G-2 range make final preparations to launch a rocket built as a senior engineering project.

### Second annual Career Fair to be held on April 10 at Cerro Coso

Ridgecrest-China Lake Optimist Club and Cerro Coso Community College, will hold the second annual "Career Fair" on Thursday, April 10 from 5 to 8 p.m. in the Cerro Coso student center.

The event features more than 40 Indian Wells Valley employers representing local as well as some nation-wide job and career opportunities.

Various displays, movies, slide presentations, employer brochures, handout materials and applications will be presented throughout the evening.

"We are primarily inviting those employers whose hiring needs are related to our Associate in Science degree programs," says Jean Pringle, Cerro Coso's Career Planning and Placement Specialist and coordinator of the Career Fair.

The Career Fair creates an avenue for students, faculty and the community to communicate on a one-to-one basis with the employers and hear their viewpoint on desired skills, education and future outlook. It provides an opportunity to ask questions about on-the-job training, salary ranges, promotions and recommended four-year college programs.

Among the participating employers this year offering information on available career opportunities within their businesses are: Bureau of Land Management,

### 500th payment made to beneficiaries by GEBA on Saturday

The 500th payment to beneficiaries of members of the China Lake Mutual Aid Society and Government Employee's Benefit Association was made on Saturday, March 29, when John Dowd, a retired NWC employee, died of pneumonia.

The associations were formed by center employees in 1954 to provide immediate cash to beneficiaries of members; for those residing in the local area, a \$1,500 check is usually given beneficiaries the day of the death of the member.

Members will not be assessed for this death. Membership in CLMAS/GEBA now exceeds 2,000, so members will be assessed ordinarily only for every second death.

Membership in CLMAS/GEBA is now open to employees of the Navy Exchange facilities, Special Services non-appropriated fund personnel, employees of the Sierra Sands School District, and employees of the NWC Federal Credit Union. Spouses of members may also join.

Anyone interested in further information about the organizations or membership may telephor: Larry Mason, 446-4794.

California Correctional Institution, Ridgecrest Community Hospital, Kerr-McGee Chemical Corporation, Ridgecrest Branch Library, Ridgecrest and China Lake Police Department, Kern County Probation Department, Texas Instruments, Vitro Systems, and Southern California Edison.

Parents are encouraged to participate with their high school and junior high school students. For further information, contact Jean Pringle or Lucille Shaw at 375-5001, ext. 46.

### Aerobics classes slated

Women's aqua aerobic (water exercises) classes will begin on Monday, April 7, at the Center gym's indoor swimming pool.

One seven-week series of classes will be held on Mondays and Wednesdays from either 9 to 10 a.m. or 5 to 6 p.m. beginning on April 7. A third group of classes is scheduled on Tuesdays and Thursdays from 1 to 2 p.m., starting on April 8.

There is a fee of \$28 for these classes, which will be taught by Joan Renner. Registration is being handled at the Recreation Coordination Office.

### Energy conservation efforts pay off for Naval Weapons Center

Energy conservation efforts at the Naval Weapons Center are proving to be effective, according to data compiled for five late fall and winter months. Electrical use declined 12.54 percent for the months of October 1979 through February 1980 compared to the same period in the previous year, and for the first time in recent history, the Center's electrical consumption dropped below 6 million kilowatt hours in any single month. Steam production (representing both No. 6 fuel oil and natural gas use) dropped 17.6 percent over the same period of time.

The building temperature requirement, delamping and hot water shutdown programs have had a substantial impact on the success of the Center's conservation program.

ELECTRICITY	MILLION KWH		Percent Reduction
	FY 79	FY 80	
October	7.071	6.644	6.04
November	6.700	6.067	9.45
December	7.600	6.674	12.18
January	7.442	6.101	18.02
February	6.689	5.565	16.80
Total	35.502	31.051	12.54

STEAM PRODUCTION	Million lbs.		Percent Reduction
	FY 79	FY 80	
October	24.9	20.7	16.90
November	35.8	31.8	11.20
December	46.3	38.0	17.90
January	49.2	35.6	27.60
February	37.6	33.4	11.20
Total	193.8	159.7	17.60

### Training classes

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.

**No Fault Management**; April 10-11, 8 a.m. to 4 p.m. daily. Deadline was March 27, but will still take enrollments.

**Interpersonal Communications**; April 14-16, 8 a.m. to 4 p.m. daily. Deadline was March 31, but will still take enrollments.

**Introduction to Supervision**; April 14-18, 8 a.m. to 4 p.m. daily. Deadline was March 31, but will still take enrollments.

**E180 Engineering Analysis**; April 14 to June 20, (Mon., Wed., Fri.), 10:30 to 11:30 a.m. Deadline: first class meeting.

**E140 Materials in Engineering Design**; April 15 to June 19, (Tues., Thurs.), 7:30 to 9 a.m. Deadline: first class meeting.

**CSCI, 397C**; April 26-27 and May 15-16, 8 a.m. to 4 p.m. Deadline: first class meeting.

**S&E 46 Mark III**; April 14-15, 8 a.m. to 4 p.m. Deadline: April 4.

**EEO For Interested Employees**; April 8, 7:45 to 11:30 a.m. Deadline was March 25, but will still take enrollments.

### DIVINE SERVICES

**PROTESTANT**  
Sunday Worship Service 1000  
Sunday School—All Ages 0830  
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.

**ECUMENICAL**  
Wednesday Noon Bible Study 1130  
Thursday Men's Prayer Breakfast 0630

**ROMAN CATHOLIC**  
**MASS** 0830 1130  
Nativity, Chapel Annex 1 0815 1245  
Daily except Saturday; 1135, Blessed Sacrament Chapel

**CONFESSIONS** 1115 to 1130  
Sunday 0800 to 0825

**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 "In Home" Discussion Groups and Youth Rallies  
Contact Chaplain's Office for specifics.

**JEWISH SERVICES**  
**EASTWING—ALL FAITH CHAPEL**  
Sabbath Services every Friday 1930  
**UNITARIANS**  
**CHAPEL ANNEX 95** 1930  
Sunday Services—(Sept.-May)





Recreation Roundup

Life saving class begins Monday to train lifeguards

An advanced life saving class will be held by The Special Services Division beginning Monday and lasting through April 26. Successful completion of this course is required to apply for all life guard positions at NWC pools and other pools in the community. The fee of \$7 will cover books and instructions.

The course will be taught in nine sessions. On Mondays the class will meet at the NWC indoor pool from 7:30 to 9:30 p.m.; Thursday class meetings will be at the Community Center from 7 to 9 p.m.; and Saturday class meetings will be at the indoor pool, from 8 a.m. until 1 p.m.

Those wishing further information or wishing to register should contact the Recreation Coordination Office between 9 a.m. and 5 p.m. daily, or may telephone NWC ext. 2010.

Commander's Cup Volleyball

Volleyball matches for the Commander's Cup will be held Tuesday, Wednesday and Thursday afternoon at 3 p.m. On Tuesday the NWC Gold Team will meet VX-5; Wednesday's match pits NWC Blue against NWC Gold; the final match on Thursday is NWC Blue against VX-5.

Personnel interested in competing should contact their military athletic committee representative.

Skeet and Trap Range

The Special Service Skeet and Trap Range is open on weekends from 9 a.m. until noon. Guests may shoot for \$1.50 per round (25 birds), and members for \$1 a round. The membership fee is \$6 a year, and all military, DoD civilians, and their dependents are eligible to use the range. For further information, telephone NWC ext. 2942.

Las Vegas Trip

A "Red Eye Special" trip to the Las Vegas Strip will begin in the Bennington Plaza parking lot at 2 p.m. on Saturday, May 3, and will end at 1 p.m. the next day in the same place when the Special Services van will return. Charge for the round trip to Las Vegas is \$14 for military personnel and \$16 for civilians; the trip includes only the cost of transportation. Registration will be taken at the time of payment in the Recreation Coordination Office at Special Services. Civilians may register on April 14. Those seeking more information may telephone NWC ext. 2010.

Military Pistol Team

Tryouts for the NWC Military Pistol Team will be held at the China Lake Police Pistol Range on April 15 at noon and April 16 at 4 p.m.

All active duty military and active reserve personnel attached to NWC or its tenant activities are eligible for membership. Team membership will be based solely on marksmanship ability.

The team will consist of six members who will fire the .22 caliber and .45 caliber handguns in both military and civilian sponsored marksmanship competitions. Match-conditioned handguns and most ammunition are provided.

For further information, contact LCdr. Pheny, at NWC ext. 2135 or Jeff Mattick, at NWC ext. 3565.



— Photo by PHAN Douglas Matthews

**WINNERS** — The trophy representing a first place in the Mojave Desert Interservice League volleyball tournament arrived at the Naval Weapons Center, where it will remain until next year's tourney. Players on the winning team included (standing, l. to r.) Jerry Kissick, Paul Proctor, Ted Bailey (who served as assistant coach but did not play), and Benny Vick. Kneeling are (l. to r.) Larry Archuleta, Duane Fojt, Bob Smith, and Lt. Tom Mariner. Not present for the picture are Jim Bevan, Loy Vincent, and Rosemary Mariner.

NWC volleyballers take home trophy in MDISL tourney

A team representing the Naval Weapons Center won first place in the Mojave Desert Interservice League volleyball tournament held recently at the Marine Corps Logistics Center in Barstow.

The NWC team, headed by Jerry Kissick, as player coach, eased into the second round of tourney competition as the result of a forfeit win over Los Angeles Air Force Station.

After that, the China Lakers proceeded to defeat the March Air Force Base volleyball squad two straight games in a best two-out-of-three-game match, and then knocked off the George Air Force Base team.

The NWC volleyballers lost the opening game of their three-game set with George AFB, but came back strong in the final two tilts to win the match. Just one hurdle to winning the tourney title then remained — a return match with the George AFB which had battled its way back through the losers' bracket in the tourney.

In the match for the tournament championship, the China Lakers won easily in two straight games.

In addition to Kissick, players on the China Lake volleyball team who played a key role in the good, all around team performance that was necessary to win the tournament were Jim Bevan, Robert Smith, Loy Vincent, Duane Fojt and Benny Vick. Other members of the squad were Ted Bailey, assistant coach, and Tom and Rosemary Mariner, Paul Proctor, Steve Mills, Larry Archuleta, and Stanley Bright.

Members of the NWC volleyball team began practicing once a week last December in preparation for the MDISL tournament, and increased the frequency of practice sessions to twice a week during the last few weeks prior to the event.

Kissick now hopes that the NWC team can travel to tournaments at other military bases or compete in U.S. Volleyball Association tourneys this season.

Golf course closed 2 days a week while water system fixed

The China Lake golf course will be closed both Mondays and Thursdays during the month of April to permit adequate watering of fairways and greens for summer play.

The watering system on the course is being repaired under a large industrial sewer contract; current construction work involves the provision of proper chlorination facilities so that effluent can continue to be used for watering.

Until the construction is complete, California State health regulations require that watering may be accomplished at night and up until noon of one day, but that play may not resume until the following morning. To keep the course green and to prepare it adequately for summer operation, watering twice a week is necessary, so play must be shut down for an additional day beyond the long-standing Monday shutdown for repairs.

The construction is expected to be complete by the end of April, again permitting a resumption of the course's normal schedule.

China Lake Little League slates final tryouts for season

The final tryout for China Lake Little League will be held tomorrow at 9:30 a.m. at Diamond 4 on the Center. The tryout will be for T-ball and Farm Divisions.

Players must be between 6 and 10 years of age as of July 31 of this year. Players who are 8 years old or above must live in the China Lake Little League area, but younger players may live anywhere in the Indian Wells Valley.

Anyone who wishes further information may telephone Bob Rodriguez at 446-7459 or Dan Vander Werf at 446-3641.

(Continued on Page 7)

All teams display skills in 2nd weekend of Youth Soccer action

The weather was perfect for the second weekend of Youth Soccer League play last Saturday when young team members showed their skills in play on Center soccer fields.

Play in the Pacific Division (1st-2nd graders) was fast and well matched, with a total of ten teams in action. End of play resulted in scores of Fury 2, Express 1; Rowdies 1, Sockers 0; Earthquake 1, Chiefs 0; Sunshine 0, Eagles 0; and Apollos 1, Cobras 1.

Both goals for Fury were scored by Arnold Valdevia, with an assist from Jacob Jones. The lone goal for Express was tallied by Kevin Collie, with Chad Bass playing a good offensive. In this evenly matched game the best defensive players were Paul Ashton for Fury and David Chumway for Express.

Missy Franze and Brian Mather of the Sockers were outstanding offensive players, as was Chris Mills for the Rowdies; goalie Marc Frisbee and defender Steve Curran managed to keep the Rowdies scoreless, whereas Brenden Ladden and Will Freeman, playing defense for the Rowdies proved to be equally effective.

Shawn Hamilton (with an assist by Jacob Albers) scored the goal that let Earthquake beat the Chiefs 1-0. Tim Matson and Ken Graham played a strong offensive game for the Chiefs, but were unable to score. The Earthquake defensive effort was led by Kirk Roberts, with the best defensive players for the Chiefs being Jamison Smith and Ken Graham.

In another evenly matched defensive effort, Scott McGowan kept several scoring possibilities in check for the Eagles, while the best defensive players for Sunshine were Wendy Meeks and Jonathan Koelsch. The Sunshine offensive attack was led by Ernesto Tatumay and Dean Johnson; Eagle offensive leader was Ralph Jorensen.

The best offensive player for the Cobras was Seth LaBorde, who scored their lone goal with an assist by Steve Kartchner. The Apollos' score was set up by Isaac Dean and kicked in by Clay Holoman. On defense Tom Markarian and Kenneth Gardner kept the ball away from the Apollos' goal, with the Cobras' defense headed up by Mike Miller and goalie Mike Fox making some difficult saves.

The American Division (3rd and 4th

graders) led off the action with five games in which the final scores read Rogues 7, Hurricane 0; Timbers 3, Strikers 0; Blizzard 2, Drillers 1; Sting 1, Lancers 0; and Cosmos 4, Aztecs 0.

The Rogues seem to be the best in the league at getting out of bed. In their 8 a.m. game they swarmed over the Hurricane throughout the match. Wayne Shadd scored twice, assisted by Donald Ashton; Doug Chalmers scored twice; Greg Janson scored once, assisted by Shadd; Ashton scored once, assisted by Bobby Moldenhauer; and Perry Martinez scored once. A great save by goalie Carl Hibberts helped preserve the shutout.

The Timbers won with three goals by Matthew Ziegler. Wayne Ziegler assisted on the last, and Jason Okamoto and Eric Wee fueled the offense. Shelton Case and Scott Ivie led the defense in their shutout. The Strikers' defense was paced by Jeff Tanner and Karlanne Holmes.

In a close thriller, Shaw Carter put on a hustling and dribbling clinic, and expertly converted two penalty kicks to lead the Blizzard over a strong Driller team. Matt Kibbe was the outstanding Driller defender; their goal was scored by Matt Ellis from a rebound scramble.

The nail-biter win by the Sting was the result of a series of passes from the fullbacks, through midfield, with Richard Flores slipping the ball to Craig Rindt who scored. Brian Fitzgerald was the top defender from the Sting. The Lancers attack was paced by Matt Mechtenberg, Jason Hall, and the defense by Paul Cason, John Caroz and Tony Jaime.

Goals for the Cosmos were scored by Kerri Ashley, Patrick Doud (who scored twice) and Greg Garcia. The strong Cosmos defense led by Mike Ashley, Kevin Sizemore and Matthew Parris held the Aztecs down, and their goalies had to make only two saves.

In the National Division (5th and 6th graders) the Sounders and Tornado rallied to a 2 to 2 tie, the Surfs beat the Whitecaps 3 to 0, and the Kicks beat the Roughnecks 2 to 0.

After a scoreless first half in the Sounders-Tornado game, Covey Trovinger scored a goal for the Sounders (assisted by



**ENERGY-SAVING MOVE** — Employees of the Overhead Lighting Co. in Sacramento are currently involved in the repair of street light cables and the installation of energy-efficient sodium lighting in the housing and commercial areas of the Center. New street lights of this type were installed recently at the traffic circle. Thanks to efforts such as this the Naval Weapons Center's electric power usage was cut by 13.9 percent (from 7,549,000 to 6,498,000 kilowatt hours during the period from December 1978 through December 1979).

Energy Office stresses work in conservation, alternate energy

The Naval Weapons Center's Energy Program Office in the Public Works Department quietly celebrated its first birthday recently. Although only one candle burned on its cake, NWC has been active in both energy conservation and alternate energy research for years through the two program offices that were combined to form the Energy Program Office.

Just how active is indicated by a 13 percent cut in the Center's energy usage since 1975, the base year for the Presidential mandates to slash 20 percent from total federal agency use.

The combined Energy Program Office was born in February 1979 when the Energy Program Management Office from the Ordnance Systems department—an office that dealt mainly with alternate energy—was consolidated in the Public Works Department with the Energy Conservation Office, which had been functioning in the Engineering Division.

Richard Fulmer, who had been working with alternate energy and with Center plans for energy utilization and research since 1970, headed the new office for its first ten months. He has now returned to the Ordnance Systems Department to head its Gun Systems Branch.

Alternate Energy Work

Coming with Fulmer from "the hill" were Garyl Smith, who is in charge of the Center's alternate energy programs, and Mike Hall, who works mainly with photovoltaic utilization.

Smith, a mechanical engineer, came to the Center as a Junior Professional from Brigham Young University. Early in his NWC career he began to work with the ash-to-gasoline program, and then switched to the low energy structures program. Currently he heads the Photovoltaics Program and the Electric and Hybrid Vehicle Program. NWC is the lead Navy laboratory for both of these programs.

Assisting Smith with the photovoltaic work is Hall, also a mechanical engineer, who took the last part of his Junior Professional tour in the Energy Program Office and liked the work so much that he remained there.

Heading the conservation efforts is Dr. Clif Stine, who headed the Energy Conservation Office in the Public Works

Department's Engineering Division and moved when the two energy programs were consolidated to make it a department staff function.

Dr. Stine, a registered mechanical engineer, has long been interested and active with energy work. His graduate studies involved power generating systems based on geothermal energy, and mechanical systems adopted to this new earth resource.

"Girl Friday"

Completing the staff is Barbara De Vries, who serves more as a "girl Friday" than secretary. She performed yeoman service in helping ready the Center's submission for the Chief of Naval Operations Energy Conservation Award, and played a major role in making presentations in local schools during Energy Awareness Week.

All four staff members emphasize that the real success of the energy program on the Center is the result of the hard work and creativity of all the Center's employees, with a special nod going to the Department Energy Representatives.

Many of the energy conservation programs proposed have been completed, some are on-going, and others are yet in the planning stages. Some have had no visible impact on the average Center employee, while others (such as delamping, the temperature regulations and hot water shut down) have had a very dramatic effect.

Awareness Effective

Most effective of all in attaining the conservation goals that have been mandated by the President is the awareness of each person on the Center of the need to reduce energy consumption of all kinds, whether by turning off a light switch when leaving a room or by consolidating trips in Navy vehicles.

While NWC is rich with alternate energy potential ranging from geothermal utilization through various solar projects, these alternate energy sources are not yet operational. The need still exists to squeeze the last bit of use out of present energy sources in order to fulfill the Center's mission requirements while meeting the conservation goals established for all governmental agencies.

Staff members stress the importance of working with Center employees to meet this need.

Don't startle or frighten snakes is best advice to avoid bites

Spring brings not only flowers to the desert but also a new crop of rattlesnakes as well. The Mojave Green Project team has already picked up several sidewinders this spring, and the first Mojave green rattlesnake for the season.

The Mojave Green Project team members can be reached through both the Ridgecrest and China Lake police to come and gather snakes; these snakes are then given to Dr. Findlay Russell at the University of Southern California / Los Angeles County Medical Center for anti-venin research.

Those interested in finding out more about either the Mojave Green Project or rattlesnakes are invited to see the booth manned by team members at various fairs in the community. Team members are also available to talk about rattlesnakes and snake bite at safety meetings and other organizational meetings.

Don't Get Bitten

They advise that the best way to treat rattlesnake bites is not to get bitten in the first place.

Basic in this is not to put hands or feet any place before looking first. This caution applies both in the daytime and at night; a warm asphalt road or parking lot is enticing to a snake trying to escape the chill of the night, and such a snake objects to being disturbed. While snakes are not normally aggressive, they will bite if startled or frightened.

Snakes like shade during the daytime and can be found in cool spots such as woodpiles, under bushes in a garden or in the desert, or in caves on the sides of local hills. Again, wise desert dwellers do not reach into a cave, under a pile of wood, or into a bush without looking carefully first to see if the area is occupied by a snake.

Don't Panic

If an individual is bitten, the first and most vital rule is not to panic. If medical help is reachable within a relatively short period of time (preferably within three hours), the best advice is to get to such medical help promptly.

The person bitten should be transported to the hospital by car or ambulance if possible; if the individual needs to walk part of the way, the pace should be a walk rather than a run to prevent speeding up the effects of the venom.

If possible, someone should telephone the hospital to alert medical personnel that a snakebite victim is being brought in. Again, if possible, someone should also try to bring in the snake so it can be identified to help in treating the victim. Venoms do differ.

If the snake cannot be brought in, the

Mojave Green Project team (in the local area) should be alerted as to where the snake is so that they might be able to locate it and identify the kind of snake. (If it is necessary to kill the snake, the head should be left intact to make identification easier.)

If medical care is too far away for prompt help, a constricting band (not a tourniquet) should be placed between the site of the bite and the heart of the victim to slow the circulation down. The band should be loose enough so that a finger can be slipped under it.

Preferably no cuts should be made through the fang marks. The cuts that need to be made are shallow and in line with the body tissues; a panicky and untrained individual can inflict long-term damage by improper cuts.

Snake bites should not be packed in ice. Tissue damage is more apt to be increased by such packing than prevented.

And the victim of the bite should be seen by medical personnel as quickly as safe transportation will permit.

Don't Make Pets

A special word of caution: while many snakes make good pets, no member of the rattlesnake family does. A rattlesnake has been known to break through two layers of aquarium glass in trying to strike at something that has startled him.

Breaking the fangs of a snake is also useless in that the snake will promptly grow more fangs that already exist in reserve.

The only proper place for a member of the rattlesnake family is in his own native habitat — well away from people — or in the hands of someone who has need for such snakes for research or medical purposes such as Dr. Russell at USC or the members of the Mojave Green Project team.

Harassment . . .

(Continued from Page 1)

explicit coercive sexual behavior to control or influence salaries, careers, or jobs.

NAVMAT Notice 5350 also requires that sexual harassment be a part of command inspection procedures within the Naval Material Command. Procedures for reporting and investigating complaints through established grievance and complaint channels are given in the notice, as well as the right to report incidents through the Inspector General's Office.

In order to gain a better assessment of the magnitude of the problem, the Chief of Naval Material has approved establishment of a "hot line" telephone to gather from employees information regarding sexual harassment. Details regarding this "hot line" will be published in the near future.



**BEWARE** — Mojave green rattlesnakes can be found throughout the local area shyly hidden in bushes, caves, or other places shaded from full sunshine. At night they and their rattling relatives, however, are apt to be on warm asphalt parking lots and roads. While not deliberately aggressive, they will strike if frightened or startled, and the bite of a frightened rattler hurts as much as the bite of an angry one. —Photo by John Robertson



## Seabee Reservists finish construction in mock desert war

Delta Company of Reserve Mobile Construction Battalion (RMCB) 17, a unit composed of Seabee Reservists from China Lake, Bakersfield and Las Vegas, participated recently in a tactical construction exercise in a remote desert area located between Ridgecrest and Barstow.

The Seabee Reservists, 70 in all, who were under the command of Lt. Carl Jacobson, company commander of D Co., were joined by Lt. Wally Fletcher and five members of the NWC Sea Cadet Squadron.

Prior to the weekend training exercise, which was held for the purpose of enhancing the mobilization readiness of the Seabee Reserves, an advance party of 15 Seabee Reservists and 6 Sea Cadets from China Lake moved heavy equipment, radios and supplies to the area where the practice military operation was to take place and set up defensive positions.

The next morning, five UH-1 helicopters from the 336th Aviation Company, an Army Reserve unit headquartered at Los Alamitos, airlifted the main body of Seabee Reservists from Armitage Airfield to the location where the field exercise was to take place.

Members of the advance party gave radio directions to and provided protection from mock aggressor forces as the helicopters approached the landing zone.

While the tactical construction exercise was in progress, a small force of "aggressors" employed artillery simulators and offensive tactics to try to

delay or prevent the Seabee Reservists from completing their mission.

Despite "attacks" by the aggressor force — a group made up of five members of Explosive Ordnance Group One at China Lake (led by CWO2 Ronald Decker) and a trio of China Lake Seabees — the Seabee Reservists' construction project was completed.

There were three simulated attacks by the aggressor force, including one nighttime fracas that enabled those in defensive positions to test the fire control of the fire teams that had been set up and also that of the crews whose members manned the M-60 machine guns.

All field gear, communications equipment, weapons and field rations were supplied and transported to China Lake Detachment 0217 of the Seabee Reserves by active duty personnel from RMCB-17 in Bakersfield, with the help of personnel from the 31st Reserve Naval Construction Regiment at Port Hueneme.

LCdr. R. L. Biggers, executive officer of RMCB-17, CM1 Joe Crognale, also of RMCB-17, Ltjg. Pat Nassaux, of China Lake Detachment 0217, and a Marine Corps gunnery sergeant from the 1st Reserve Naval Construction Regiment at Los Alamitos, served as observers/evaluators of the tactical construction exercise.

Logistics for the operation were coordinated by Lt. Jacobson, Ltjg. Nassaux and CMCS Phil Nelson, officer-in-charge of China Lake Detachment 0217.



WAITING FOR ACTION — PO3 Kary Fletcher, a Sea Cadet, stays alert for possible "enemy" action. PO3 Fletcher was one of a half dozen Sea Cadets who joined Seabee Reservists during a tactical construction exercise that was held to give the participants a taste of working in the field under simulated combat conditions. —Photo by CM2 Jerry Morrison

## Wide range of items on sale at surplus auction slated Thursday

An auction sale of surplus government property will be held on Thursday, April 10, starting at 9 a.m. at the Community Center.

Among the more than 170 items to be offered for sale are IBM electric typewriters, tape recorders, oscilloscopes, voltmeters, projectors, electric motors, gas ranges, vehicle parts, electric hoists, evaporative coolers, generator sets, missile containers, and scrap wood.

Prospective bidders now have the opportunity to inspect the items offered for sale by visiting the defense Property Disposal Office (Warehouse 41) on weekdays between 8 a.m. and 3 p.m.

On the day of the auction (April 10), registration of bidders will begin at 8 a.m. at the Community Center. Only those who sign up at that time will be eligible to bid on the items to be auctioned off. Mail bids cannot be accepted.

Items purchased may be removed on the day of the auction provided that full

payment is made. Personal checks will be accepted.

Successful bidders will have until April 17 to pay for and remove property from the warehouse before storage charges are applied.

Because of the heavy flow of traffic onto the Naval Weapons Center at the start of each working day, prospective bidders are asked not to arrive before 8 a.m.

Additional information about this auction of surplus government property can be obtained by calling Greg Berry at NWC Ext. 2505 or 2538.

## Connolly appointed permanent head of Technical Info. Dept.

Bernard F. Connolly has been appointed to the permanent position of Assistant Technical Director for Information and Head, Technical Information Department; he has been in an acting status in that position since last July.

In making the announcement Burrell W. Hays, NWC Deputy Technical Director, noted that "Bernie's many years of service in both the technical and administrative sides of the Center, his excellent reputation in Washington, and his innate managerial abilities will surely serve us all well in this position. It's a pleasure to have him officially 'on-board.'"

## Kern County Health Department slates free immunizations

Another opportunity will be provided for infants and children who are not yet fully protected against common childhood diseases to obtain shots free of charge at a Kern County Health Department immunization clinic.

The next such public clinic to be held in the local area has been scheduled on Monday, April 14, from 9 to 3 p.m. in the Health Department office located at 250 W. Ridgecrest Blvd., Ridgecrest.

No appointments are necessary, but parents or legal guardians must accompany children to the clinic and sign consent forms.

The shots that will be administered offer protection against polio, measles, mumps, diphtheria, tetanus, and whooping cough.

## Upward Mobility gives employees opportunity for career expansion

Naval Weapons Center personnel who feel deadended in their jobs and who meet the criteria for the Upward Mobility Program will again be able to apply for this program in late spring.

Upward Mobility provides an opportunity for employees in lower level positions to enter a new career in a technical, administrative, or crafts and trade occupation through an accelerated training program that includes both on-the-job training and formal classroom training at NWC and at Cerro Coso Community College.

Through a formal Navy Training Agreement approved by the Civil Service Commission (now the Office of Personnel Management) in February 1978, qualifying experience is given at the rate of two months credit for one month on the job experience in Upward Mobility.

The register opens twice a year for Upward Mobility, with a two-day assessment career development program held to determine employee talents and interests.

The assessment process is not a "pass-fail" situation, nor are academic tests given. Each candidate is observed by one to three assessors during three exercises: a structured interview, an analysis exercise, and a group discussion. Vocational interest tests are also given. The candidate is then given feedback on occupational interests, interpersonal styles, and values based on the two tests (Strong-Campbell Interest Inventory and the Strength Deployment Inventory).

Many candidates feel that the self-knowledge that they have gained through the assessment process is invaluable; the information and insight gained is of a different sort than that which they can get through the Career Expansion Workshops.

Applicant scores from the assessment process are computerized. When a position is identified as an Upward Mobility position, the supervisor determines what mix of skills and interests would be desirable and the computer searches through the Upward Mobility Register to pull out the five individuals whose scores most closely approximate the needed characteristics.

Nancy Finney, for instance, who is an ordnance equipment mechanic learner in Code 6223, was called for several jobs other than the one she selected before she took her name off the register.

Mrs. Finney was a division secretary when she applied for the Upward Mobility Program. She had worked for a construction firm before working for Civil Service, where she had become an inside salesman for electrical equipment and found that she liked technical work more than secretarial work. Her lack of technical

training had kept her from being able to get such a job with Civil Service; through the Upward Mobility Program she is now getting such training while making more pay than she had been receiving. (No Upward Mobility program trainee ever loses pay in the job switch.)

Her training, besides what she is learning on the job, has included a tour in the Baker 4 machine shop, and will continue with classes at Cerro Coso College in welding, industrial mathematics and basic electricity, experience in camera handling, firing officers' school, and getting an explosives driver's license.

Mrs. Finney says that she is working hard, but the work is so exciting, challenging and interesting that she enjoys each moment of it, coming home physically tired but in high spirits.

Although her target position is as a WG-8 ordnanceman, she plans to continue studying to work towards a college degree in a technical field.

Norman Brown, who is now an ordnance equipment repairer in Code 6211, began his Civil Service career as a communications technician. When he entered a trade field through the Upward Mobility program, he says that even in his training program he nearly doubled his pay while learning to do work that he enjoyed much more than what he had been doing and that had much more future growth potential.

His training included on the job training, welding and other classes at Cerro Coso College; he also was credited with training for some of the college classes that he took before he entered the Air Force several years ago.

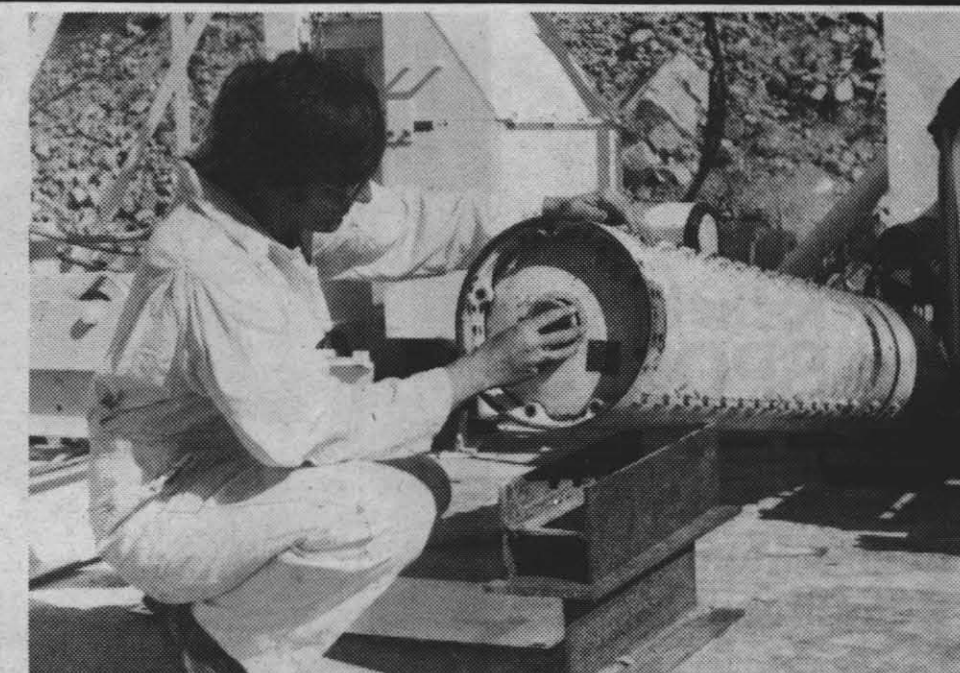
Upward Mobility positions have included such work as writer/editor, budget analyst, and other administrative tasks, as well as the trades and technical areas.

Twenty Center billets are currently designated for exclusive use as Upward Mobility billets; some of the technical departments are so enthused about the quality of personnel that have come through the program that they are using their own billets for such training as well.

To apply for Upward Mobility, an employee must have completed at least 90 days of service in a competitive position, must currently be an NWC Navy employee, and must be in a position whose top grade potential must not exceed either GS-9 or WG-9.

VRA appointees who have completed the one year trial period can apply, and so can employees on handicap excepted appointments.

The ROCKETEER will carry an announcement when applications are again open.



INTERESTING WORK — Norman Brown, who gained his current position as an ordnance equipment repairer through Upward Mobility training, enjoys working with rockets at the Skytop facility. He feels that with the training that he received, the sky is now the limit for his future. — Photo by Ron Allen

## Navy frowns on overweight; diet program helps trim waistlines

"While I was on this diet I lost over a hundred pounds, and I'm keeping it off," burbles a happy Navy wife. And she's only one of a number of China Lake active duty military and adult dependents who are discovering the joys of not being the size they once were.

The diet, prescribed and well supervised by personnel of the Naval Regional Medical Center branch clinic, is a ketogenic diet that permits unlimited consumption of proteins and fats but stringently limits carbohydrate consumption to less than 50 grams that must be distributed evenly during the day.

"And no cheating," warns nurse LCdr. Nancy Harris, who gives instructions to the dieters. "Any extra carbohydrates eaten will result in massive weight gains because there is no calorie counting on this diet."

In fact, most of the commercial, low-calorie foods are banned because they contain carbohydrates. Equally, many of the fruits and salads beloved of dieters are also forbidden for the same reason while the patient is on this weight-losing program.

Those who have lost massive quantities of weight through the ketogenic diet generally are able to maintain their new weight once they return to a normal (albeit low calorie) balanced diet, according to LCdr. Harris, because they have become aware of what foods need to be eaten in moderation.

Hopefully, they have also, she says, gained in self esteem and self knowledge enough so that they will not overeat again.

Overweight is a behavior problem, she notes. People often overeat because they are bored, frustrated, or angry and when they discover why they have been overeating, they can establish new habits and ways of dealing with their problems. Overeaters Anonymous (whose local telephone number is 375-9880), has been a great help to many of the active duty military personnel and their dependents since the weight control program was established by Cdr. Frances Zuber in early 1978.

The Navy has become increasingly concerned about the adverse effect of obesity on health and careers of military personnel. These effects range from joint troubles and low backaches for personnel still in their 20s to serious kidney and cardiovascular problems for those who are older. Even falls tend to be more serious for the overweight because the resultant impact is harder.

Weight guidelines have been established, depending on height and body configuration. When military personnel check in, those who do not fall within the guidelines are referred to a medical officer to determine the cause of the individual's obesity. Personnel stationed here and adult dependents who may be concerned about their weight may also volunteer to join the

program.

The first step is an appointment with a medical officer to rule out any physical cause for the obesity such as diabetes, thyroid disorders, or other organic causes. Participants are monitored regularly while on the diet to be sure that there are no adverse effects and to receive regular counseling from LCdr. Harris about their progress. Some participants have even prepared special recipes that they have shared with other dieters.

Participants are encouraged to weigh in at the clinic once a week so that their progress can be documented and evaluated. A weight loss of 6 to 12 lb. a month is considered a good weight loss for new participants.

Exercise is helpful, especially to tone areas where fat has been lost and as a preventive to constipation because the diet is low in fiber. A strenuous exercise program is not recommended for new participants because their bodies are having to adjust to a new metabolism and coping with two regimes — both diet and exercise — may be too demanding for someone who is having to make radical changes in eating habits. Those who are grossly overweight may also not be permitted to do some types of exercises.

Participants are encouraged to take one day at a time and to concentrate entirely on limiting their carbohydrates for that particular day. Success comes only one day at a time.

Drinking considerably more water than normal is mandatory. In addition to the usual coffee, tea, and diet drinks, at least eight 8-oz. glasses of water each day are required. Diet sodas should be restricted to those that have either no calories or only one calorie for each 12-oz. can.

The additional water is needed to remove the ketones that are formed when body fat is broken down. Participants are taught how to test their urine to monitor their success in consistently having ketones present to indicate that fat is being burned off and that carbohydrate intake has not been excessive.

The ketogenic diet is not used Navy-wide, and is somewhat controversial. There are a number of diets that can cause a person to lose weight. Being able to adhere to a program long enough to lose weight, keeping weight off, and learning good eating habits are the measures of real success.

Locally, when used under strict medical supervision, by adults (because no one under 16 is ever put on a diet), and for limited periods of time (no longer than six months without having a complete re-evaluation), this diet has proven highly effective and even enjoyable by those who are concerned about weight problem.



HEADED FOR COVER — After being airlifted by helicopter to their destination, two Seabee Reservists hopped it for cover during a tactical construction exercise held to enhance the mobilization readiness of Delta Company of Reserve Mobile Construction Battalion 17. —Photo by CM2 Jerry Morrison

## Happenings around NWC

S. G. ("Vet") Payne, NWC Public Affairs Officer, will discuss the role of public affairs in the Department of Defense in the 1980s at an open meeting of the American Society for Public Affairs on Friday, April 11.

The meeting will be held in the Chart Room of the Commissioned Officers' Mess at 11:30 a.m. Although guests may order from the menu or use the buffet line, advance reservations are requested because of limited seating. They may be made by telephoning Linda Roush at NWC ext. 2875.

### SOLE Meeting

Fred Schnick, manager of the Ridgecrest K-Mart retail store, will talk about the "Logistics of Retail Store Management" at a dinner meeting of the Society of Logistics Engineers (SOLE) on Wednesday evening at 7 o'clock.

The meeting, which is open to the public, will be held in the Chart Room of the Commissioned Officers' Mess. Reservations are required. They may be made by telephoning Dennis Kaz at NWC ext. 3445.

### Astronomical Society

The regular meeting of the China Lake Astronomical Society (CLAS) will be held at 7:30 p.m. on April 7, at 410A McIntyre, China Lake.

The featured speaker will be Mark Erickson, who will review a series of six articles that describe the construction of an

amateur radio telescope. The construction of such an instrument is a potential CLAS project.

Following refreshments, the Kitt Peak National Observatory film "Journey into Light" will be shown. This 30-min. film tells the story of Kitt Peak Observatory, its history, functions, and contributions to astronomy both nationally and internationally.

The public is welcome to attend CLAS meetings.

### Women's Center

Battered women and alcohol will be the subjects presented at the High Desert Women's Center's annual meeting on Monday, April 7. The meeting will be held in the First Federal Friendship Room on 111 N. Balsam Street, Ridgecrest, starting at 7:30 p.m.

The program will be co-sponsored by the Council on Alcohol Awareness and will include some candid talk by "Sara," a formerly battered woman who will share her personal experiences.

The Women's Center has established a Task Force on Battered Women. It is their hope to eventually provide a safe hiding place for battered women to go for shelter and to regain self-esteem preparatory to becoming self-sustaining.

Members of the Women's Center are encouraging all interested persons to attend this meeting.

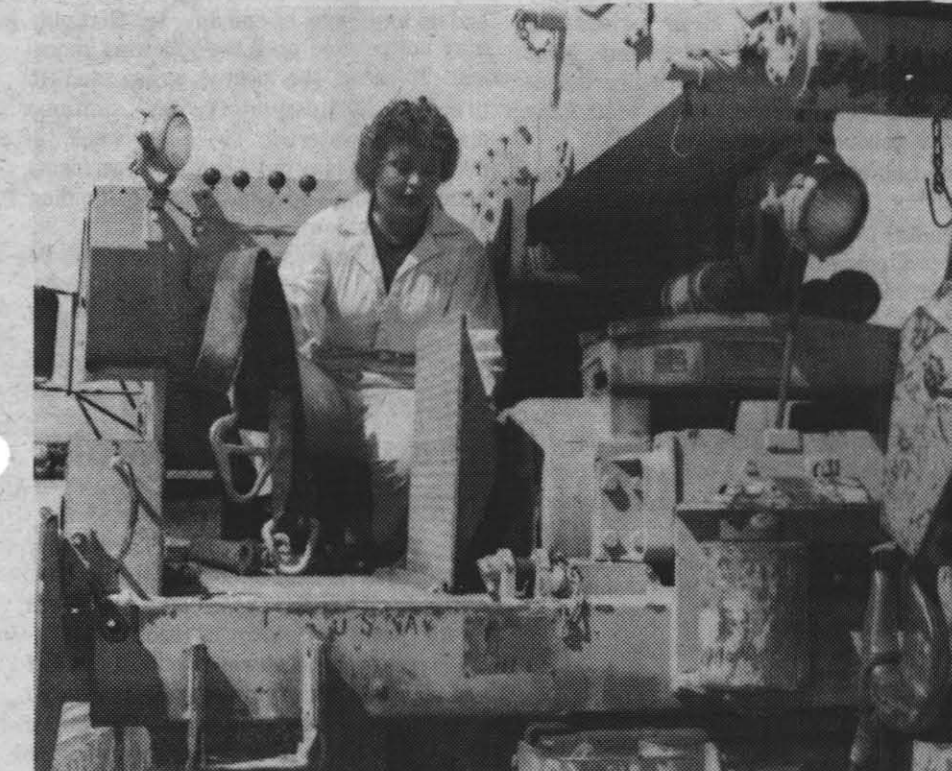
## Affirmative Action plan for Center can be inspected

The proposed Affirmative Action Plan for the Naval Weapons Center, which is to be promulgated pursuant to the requirements of the Equal Employment Opportunity Act of 1972, has been circulated to department heads, and to employee and community organizations for their review and comments, it was announced this week by Capt. William B. Haff, NWC Commander.

The Center Commander also wants to be sure that other individuals who are interested in reviewing and or commenting on this plan will have the opportunity to do so.

Accordingly, beginning on Monday, copies of the proposed Affirmative Action Plan will be available at the Equal Employment Opportunity Office (Rm. 110 of the Personnel Building) for individuals who wish to review or comment on it prior to its adoption.

Those wishing to do so can obtain a copy of the plan at the EEO Office. In order to be considered, any comments about the plan must be submitted to the EEO Office (Code 008), by the close of business on Friday, April 25.



SHIFTING GEARS — Nancy Finney, shown shifting gears on a piece of heavy equipment, also shifted gears in her career when she moved from division secretary job to ordnance equipment mechanic learner through the Upward Mobility Program. — Photo by PHAN Douglas Matthews