

### All clubs on Center available for use by party planners

Party-planners at the Naval Weapons Center have a new service available to them.

Alma Cowan, associate head of the Special Services Division, has been designated as a single point of contact to help make arrangements for anyone who is planning a lunch, dinner, reception, or other party at the Commissioned Officers' Mess, Chief Petty Officers' Club, and Enlisted Mess on the Center. She can be reached at NWC ext. 3387.

Mrs. Cowan points out that parties can be held at any of the three clubs or at the Community Center, depending on how many people are expected to attend. Rooms and facilities are available for gatherings of all sizes from a minimum of 30 to more than 300 guests.

Best of all, food prices are competitive, and party menus (including the bar) can be planned to suit special party themes.

Parking is no problem for party-goers at any time — day, evening, or weekend. Private rooms with a public address system are available.

For the convenience of guests who do not have NWC passes, a special event pass can be arranged so that they merely need to tell the guard at the gate that they are guests at a party designated for a specific club, and they will receive a special event pass covering all persons in the car.

Party occasions for which clubs are available include promotions, retirements, annual meetings (or regular meetings), and just plain get-togethers. Engagements and wedding receptions are also especially in order in spring.

With warm weather approaching, outdoor areas at the COM and the CPO Club are ideal for picnics and barbecues and children's birthday parties.

NWC clubs are ready, willing, and eager to help with party arrangements. All that it takes to get such help is a telephone call to the Special Services Office.

### Annual AAUW rummage sale is now underway

The annual rummage sale of the China Lake-Ridgecrest Branch of the American Association of University Women began this morning and will continue until 5 p.m. today at 505 Vera St., Ridgecrest.

The sale will be resumed tomorrow morning at 9 and continue until 2 p.m. A wide variety of clothing and household items (including two rugs) has been collected for this fund-raising event.



GETTING ON BANDWAGON — China Lake Police Chief Ron Nelson (at right) and his wife, Barbara, are among the growing group of new members of the Maturango Museum. A shot in the arm has been given the museum's membership drive by the appointment of Judy and Jerry Langston (at left) to serve as membership co-chairmen for the Maturango Junction fete coming up in October. Other China Lake police personnel who recently added their support by becoming members of the Maturango Museum are Sgt. Dennis Crager (3rd from left) and Capt. John Pearia.

### Intensified campaign brings in Maturango Museum members

An intensified campaign aimed at increasing membership in the Maturango Museum is showing good results.

This is good news to Billie Hise, chairperson of Maturango Junction, who hopes to capitalize on community interest in the museum to further increase museum memberships.

"Our membership is at an all-time high," Mrs. Hise said, pointing out that currently there are over 700 paid-up members of the museum. Goal of the Maturango Junction Committee is to further increase this membership to over 1,000 by the time the Maturango Junction fete occurs in late October.

"This is a very realistic goal," said Mrs. Hise, adding that she fully expects to greatly exceed it. To achieve the goal, Mrs. Hise has selected a highly motivated pair of new members, Judy and Jerry Langston, to serve as membership co-chairmen for Maturango Junction.

The Langstons, who came here about a year ago from Cape Kennedy, Florida, have already signed up half a dozen new members in the week since they joined the museum. Attributing their success to "the personal touch," Mrs. Langston said, "We're finding that many people have never been approached on a personal level — that they really want to join the museum as soon as they find out how to do it."

The Langstons will be working in close



REMINISCING — Nancy Nowak, in the role of Amanda, and Rus Stedman, who plays the part of Elyot, talk about their life together in "Private Lives," the Community Light Opera and Theatre Association comedy opening at the Burroughs High School lecture center tonight at 8:15. Other performances are scheduled tomorrow and on April 18 and 19 at the same time and place. General admission is \$3, and \$2 for students, senior citizens, and military.

### Two events planned as fund raisers for fight against cancer

Two events to help raise funds for the 1980 Crusade Against Cancer have been scheduled in Ridgecrest.

The first, a rummage sale at the old Kern County Building, 236 W. Ridgecrest Blvd., will be held tomorrow and Sunday from 9 a.m. to 6 p.m.

Also coming up on Friday, April 18, will be a visit to Ridgecrest by the James Curran family from Bakersfield, whose members are serving collectively as the volunteer leaders of the 1980 Crusade Against Cancer in Kern County.

The Curran family, which includes a son who is a cancer victim, will be supporting fund-raising efforts not only this month but throughout the year as the Kern unit of the American Cancer Society seeks to reach its 1980 goal of \$175,000.

Local area residents can be a part of this fund-raising effort by supporting the rummage sale this weekend, and also by attending a dinner for the Curran family that will be held at Clancey's Claim Company restaurant starting at 7 p.m. next Friday, April 18.

Donations of \$15 per person include dinner, entertainment and door prizes.

Tickets for the dinner at Clancey's can be ordered by calling the Ridgecrest Chamber of Commerce office, 446-4462, or Rose Varga, local chairman of the 1980 Crusade Against Cancer, 446-3939.

### Hail, farewell party to be held at COM on Wednesday night

A hail and farewell party honoring incoming and departing military officers will be held at the Commissioned Officers' Mess next Wednesday, April 16.

Following a social hour that will begin at 4:30 p.m., presentations will be made to four officers who will be leaving China Lake soon. Those to be honored along with their wives are Cdr. Andy Miller and his wife, Betty; LCdr. Rod Wallace and his wife, Judy; LCdr. Larry Crume and his wife, Vicky; and LCdr. Ron Dargo and his wife, Mary Jo.

Those who will be welcomed aboard the Center are Capt. John Burns, LCdr. Marv Commander, LCdr. Jack Connell, LCdr. Emmett Lancaster, and Ltjg. Eric Darrow. All Centerites wishing to stay for dinner are reminded to make reservations by calling the COM (446-2549).

### Navy Wives Club to sponsor yardage sale April 16, 17

Stan the Yardage Man will be in town on Wednesday and Thursday, April 16 and 17, under the sponsorship of the Navy Wives Club of America, Desert Flowers Chapter No. 125.

He will be displaying his goods including bright prints for spring, new gabardine fabrics, and cashmere sweaters at the American Legion Hall, 641 Inyokern Rd., Ridgecrest, from 11 a.m. until 7 p.m. on April 16, and from 8 a.m. until 2 in the afternoon on April 17.

Everyone in the community who is interested in sewing is invited to visit the American Legion hall while Stan the Yardage man is in the local area.

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### Armed Forces Day plans now in final stage

Plans are now in the final stages for a spectacular Armed Forces Day air show at the Naval Weapons Center on Saturday, May 10, featuring the Blue Angels Navy precision flight demonstration team.

The air show will also have a firepower demonstration of weapons developed here at NWC, a flight demonstration of an F-4U Corsair aircraft and a P-51 Mustang, a parachute demonstration by NWC's Parachute Systems Department, and other aerial events still being arranged.

The air show narration will be by J. D. Davis, who flew with the Blue Angels from 1969 to 1971.

#### TELEVISION ACTOR INVITED

Robert Conrad, star of the television series "Baa-Baa Black Sheep," has been invited and is expected to attend the events of the weekend if film schedules for a new television series permit. The F-4U Corsair that will be on display is the type of aircraft flown in the series depicting activities of "Pappy" Boyington's famous World War II squadron.

The Center's gates will open at 9:30 on the morning of May 10 so that visitors will have the opportunity to view static displays at Armitage Airfield before the air show begins at 1 p.m.

The Blue Angels Navy precision flight demonstration team will actually arrive at China Lake on Thursday, May 9, and will take part in other special events honoring the Armed Forces.

#### DINNER FOR BLUE ANGELS

On Thursday evening an invitational dinner and reception is planned at the Commissioned Officers' Mess for the Blue Angels, and a "Blue Angel Disco" night dance and reception is planned at the Enlisted Mess honoring enlisted personnel and the maintenance crew of the flight demonstration team. The "Blue Angel Disco" reception and dance will be open to all enlisted personnel and civilians.

On Friday, May 9, members of the flight demonstration team will visit both Burroughs High School and Trona High School to talk with students.

Openings still exist for organizations that

(Continued on Page 5)



SETTING UP EQUIPMENT — Marines sent here from Camp Pendleton set up Modular Universal Laser Equipment (MULE) in preparation for target location and discrimination tests at Joshua Ridge in the Coso Mts. — Photo by Joe Dunn



Naval Weapons Center  
China Lake  
California

April 11, 1980

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### Congressman Les Aspin

## Member of House Armed Services Committee here for visit Tuesday

A visit for the purpose of obtaining first-hand information about the Naval Weapons Center to learn about a sampling of the many technical programs in which Centerites are involved was made here Tuesday afternoon by the Honorable Les Aspin, who represents Wisconsin's 2nd District in the U.S. House of Representatives.

Congressman Aspin is a member of the Armed Services Committee of the House of Representatives. A member of Congress since November 1970, he is now serving his fifth term.

Prior to his election to Congress, he served on the staff of Wisconsin Senator William Proxmire and, in 1963, was a staff assistant to the chairman of President John Kennedy's Council of Economic Advisers. A Yale University graduate in 1960, he also has a master's degree — received in 1962 from Oxford University in England, where he majored in politics, philosophy, and economics.

#### WORKED IN PENTAGON

After leaving Oxford, Congressman Aspin attended the Massachusetts Institute of Technology and received a Ph.D. in economics in 1965. During two years of Army service (1966-68), he was an economist working in Systems Analysis in the Pentagon under Secretary of the Defense Robert McNamara. He entered the military service as a second lieutenant and earned promotions to the rank of captain by the time he completed his tour of duty.

Congressman Aspin was welcomed to China Lake by Capt. William B. Haff, NWC



SIDEWINDER BRIEFING — Congressman Les Aspin (at right) listens with interest to information provided by Wayne Doucette about the Sidewinder air-to-air missile, and the role of Navy laboratories in product improvement programs. Standing by to field any questions he can assist with is Burrell W. Hays, NWC Deputy Technical Director. —Photo by Ron Allen

Commander, and Burrell W. Hays, Deputy Technical Director, who provided him with an overview of the Center and its programs during a meeting in the Management Center of Michelson Laboratory.

The distinguished visitor's first stop after leaving the Management Center was at the Sidewinder Laboratory, where he heard a

presentation by Wayne Doucette on the role of the Navy laboratories in product improvement programs.

This discussion by Doucette, who heads the Sidewinder Program Office in the NWC Engineering Department, covered the Sidewinder air-to-air missile from the 9B to

(Continued on Page 3)

## Development tests underway on man-portable laser system—MULE

For front line ground forces, be they Army or Marine Corps, the assurance that supporting artillery barrages and bombing runs will be not only timely but on target is highly important.

In an effort to achieve this goal, development testing is currently underway on the Modular Universal Laser Equipment (MULE), a man-portable laser system intended primarily for use at artillery forward observation posts.

Basically, the MULE has two principal purposes: (1) target location by range, elevation and azimuth with respect to true or grid north, and (2) target designating for laser-guided weapons and for laser spot tracker-equipped aircraft.

Its three components are a laser designator range finder, a stabilized tracking tripod, and a north finding module. The MULE will be available for use by the forward observer of the future.

(Continued on Page 4)

Operated in one mode, a single pulse of light can be directed onto a target and its range then determined by the time required for the light to reach the target and be reflected back to the MULE. Another pull on the trigger can send forth a steady stream of light pulses that serve to pinpoint the target for laser guided artillery shells, bombs or missiles.

A dozen Marines, sent here from Camp Pendleton, recently attended a 4-day school in operating the MULE that was conducted by 1st Lt. John White, USMC, from the Army's Field Artillery School at Fort Sill, Oklahoma.

After this familiarization with the MULE, the Marines underwent additional tests conducted to determine any problems in setting up and operating the MULE while wearing bulky clothing and gloves.

As a part of this series of tests, the

## Navy Appreciation Night set in Ridgecrest

The Military Affairs Committee of the Ridgecrest Chamber of Commerce, in concert with the whole Chamber and with local service clubs, is sponsoring a Navy Appreciation Night reception and dance on Friday, May 9, at the Desert Empire Fairgrounds.

Theme for the evening's activities is "America Is Alive and Well in Ridgecrest, USA," and the keynote speaker for the evening's presentations is expected to be Congressman Bill Thomas.

The Blue Angels will be honored guests at this event and will be appropriately

recognized, along with other military personnel from the Center.

Military personnel at the Naval Weapons Center and their wives or dates will also be guests; general admission for the evening's festivities which include refreshments, hors d'oeuvres, and an evening of danceable music is \$5 per person. Everyone in the local area is invited to attend this gala event.

Gerry Hucek of the Ridgecrest Chamber of Commerce is in charge of planning for Navy Appreciation Night.





### Recreation Roundup

#### China Lake Tennis Club slates first tourney of year

A doubles mixer, the first tennis tournament of the year, will be held tomorrow by the China Lake Tennis Club.

Starting time is 8 a.m. for this event, which will be played at the tennis courts adjacent to the Center gym.

There is an entry fee of \$1 per player that can be paid to any of the following officers of the China Lake Tennis Club — Morris Scharff, Sandi Graves, Virginia Wirtz, Ken Grant, Terry Moore or Bob Forrester.

#### DEADLINE EXTENDED

The deadline to pay fees for entering a team in the China Lake Intramural Softball League spring/summer season has been extended to Monday, April 14.

During the coming season, which will begin on May 5, there will be a men's fast pitch division, a military men's slow pitch division, a men's open slow pitch division, and separate divisions for women's fast pitch and slow pitch softball teams.

The entry fees vary for each division in the Intramural Softball League. This information can be obtained by calling the Recreation Coordination Office at NWC ext. 2010.

#### PISTOL TEAM TRYOUTS

Military personnel interested in pistol marksmanship competition are invited to try out for places on a six-member team that will represent the Naval Weapons Center in the 11th Naval District championship pistol matches that will be held this summer in San Diego.

Tryouts, which will take place at the NWC police pistol range, have been scheduled at noon on Tuesday and at 4 p.m. on Wednesday, April 16. All active duty military and active reserve personnel assigned to duty at NWC or its tenant activities are eligible for membership on the pistol team.

Prospective members of the team will fire .22 and .45 caliber handguns, and match-conditioned handguns and ammunition will be provided. Selection for membership on the team will be based solely on marksmanship ability.

Captain of the NWC team will be LCDr. Harold Pheeny, who can be contacted for additional information by calling NWC ext. 3626. He will be assisted by Jeff Mattick, a chief petty officer in the Naval Reserve, as

(Continued on Page 7)

#### NWC team to vie in MDISL bowling event at George AFB

A six-man team representing the Naval Weapons Center will compete today and tomorrow in the Mojave Desert Interservice League (MDISL) bowling tournament that will be held at George Air Force Base near Victorville.

Singles and doubles competition is slated this evening, and the tourney will wind up with team events tomorrow.

China Lakers who will take part in the bowling matches at George AFB are Bill Esch, Ben Perez, John Therning, Thad Brightwell, Dave Stein, and Roger Del Parto.

On Sunday these six men will be joined by Ken Dalpiaz and Ernie Lanterman to participate in the monthly MDISL traveling team competition that also will be held at George AFB.

## McIntosh sets military basketball world afire

Skip McIntosh, a Navy enlisted man assigned to duty at the Armitage Airfield Cold Line, returned here last week following a two-month absence that began with him attending the Navy basketball training camp at Corpus Christi, Tex., and ended

with him playing in AAU competition as a member of an interservice hoop squad.

McIntosh, who was a standout player on the NWC varsity basketball team this past season, was a starter at a guard position for the all-Navy basketball team.



**ALL-STAR BASKETBALL PLAYER** — Skip McIntosh returned to China Lake with a lot of mementos of his participation on the 1980 all-Navy basketball team, as well as on the Armed Forces all-star hoop squad. In addition to two trophies and a certificate in the foreground, there are a number of photos, including one team picture. McIntosh is wearing his interservice team sweat suit and cap, and displaying a medal (hung from a ribbon around his neck) that he received for his stellar efforts on the basketball court. He was congratulated here this week by both Capt. William B. Haff, NWC Commander, and AEC John Smith, of VX-5, coach of the NWC Varsity basketball team.

The 6 ft., 190 lb. team playmaker and "quarterback" started the fast break and kept the offense going for the all-Navy team, whose performance was highlighted by a five-game sweep of the western AAU tournament held in San Antonio, Tex.

In that tourney, McIntosh averaged 18 points and was credited with 9 assists per game. At the conclusion of the tournament, the local Navy man was singled out as the "most valuable player" and also garnered a trophy awarded to the best small player in this event.

Other starters on this year's all-Navy team, which was reported to be one of the best such squads in years, were forwards Kevin Sinnett from Corpus Christi and Hank Kuzma, now in Hawaii, and Harold Garner, who was McIntosh' backcourt partner at guard.

From this group, three Navy men (including McIntosh) were chosen for an interservice basketball team that vied later in a series of games against AAU teams in Montgomery and Tuscaloosa, Ala., and also in Jacksonville, St. Augustine and Tampa Bay, Fla. The inter-service squad played and won all 10 of its games, McIntosh stated.

As a result of his participation in this competition, McIntosh received scholarship offers from colleges and universities on the West Coast and in the mid-west.

With three more years to go on his current enlistment in the Navy, McIntosh is looking forward to being an all-Navy basketball player through the 1983 season and, if he decides against re-enlisting in the Navy, will go on to play college basketball at that time.

Closer at hand may also be the opportunity to compete as a member of an inter-service basketball team later this year during the Pan-American Games that are to be held in South America.

## Windstorm fails to halt youth soccer contests

Despite a howling wind that led to some bizarre play and contributed to lopsided scores, another 14-game slate of China Lake Youth Soccer League games was played last Saturday. Easter vacation travel also cut into the number of players available to participate on a few of the teams.

In the Pacific Division (for 1st and 2nd grade players) the Cobras stunned the Eagles, 2-1; the Sockers edged the Chiefs 1-0, and the Earthquake, Fury and Sunshine all posted wins by identical scores of 2-0 over the Express, Rowdies and Apollos, respectively.

In the first match of the day, Seth LaBorde tallied twice and his two goals were enough to give the Cobras a 2-1 margin of victory over the Eagles. The single goal for the Eagles was scored by Mat Hauser, with an assist from Lance Kilpatrick. Defensive standouts in this game were Mathew Carroz, goalie for the Cobras, and Craig McGavan of the Eagles.

Steve Curran booted the only goal in the Sockers' 1-0 win over the Chiefs. The tally came on an assist by Matt Duncan, but was almost blocked by the Chiefs' goalie. Top defensive players in this low scoring game were Mike Ridenour and David Gaska, for the Chiefs, and Mark Frisbee and Paul Lajeunesse, of the Sockers.

Jeremy Osburn capitalized on an assist from Jacob Albert to score the first goal for the Earthquakes in their 2-0 win over the Express. An extra goal for insurance was then added by Brian Brady, who scored following a corner kick by Albert. Good play by the Express goalie stymied several other scoring attempts by the Earthquakes.

In the fast-paced game between the Fury and Rowdies, Armando Valdevia gave the Fury a 1-0 lead on a goal he scored with an assist by Nolan Brown. Peter Martinez then made it a 2-0 win for the Fury by putting the ball into the net unassisted in the second half. Singled out for their play on defense for the Rowdies were Jeff Hannon and goalie Ricky Holmes, while Joe Nelson and Hillary Smith were tops on defense for the Fury.

Ernesto Tatanay tallied twice (once on an assist by Scott Arts) to lead the Sunshine to a 2-0 win over the Apollos. Both goals were tallied in the first half when the Sunshine team had the wind to its back. Only eight players showed up for the Apollos, which weakened their game.

Scores of games played in the American Division (3rd and 4th grade players) were Aztecs 3, Lancers 1; Drillers 4, Hurricane 2; Rogues 1, Strikers 0; Sting 5, Cosmos 2; and Timbers 4, Blizzards 0.

The Aztecs, a new team this season, showed that they are quickly learning the game of soccer by surprising the Lancers, 3-1. A first half goal by John Bass and two goals by Darren Smith in the second half accounted for all of the scoring for the Aztecs. The lone tally for the Lancers came on the efforts of Brian Lindsey. Mike Kartchner turned in a fine game on offense for the Aztecs, while his teammates Rhonda Davis, Greg Burnes and Branch Peterson sparkled on defense for the victors in this game.

The Hurricane squad, short three players, couldn't match the 4-goal scoring effort of the Drillers and came out on the low end of a 4-2 final score. Goals for the Drillers were tallied by Greg Boske, David Tetmeyer and

Steve Dargo. The top player on defense for the winners was Patty Hudson.

Wayne Shadd got the only goal of the contest in the Rogues' 1-0 win over the Strikers, who were led on defense by Craig Stiner and Richard Frageman.

Two goals by Richard Flores, combined with one goal each by Todd Stephens, Dan Flores and Craig Rindt boosted the Sting to a 5-2 win over the Cosmos. Pat Doud and Scott Hamilton were the goal scorers in a losing effort for the Cosmos, who got help moving the ball goalward from Jim Kight.

An impressive 4-0 win was posted by the Timbers over the Blizzards. Two goals by Mathew Ziegler and single tallies by Jason Okamoto and Joe Lloyd turned the trick for the Timbers, who also got help on offense from David Lowham and Greg Wetzel.

In three afternoon games played at Davidove Field by National Division teams (for 5th and 6th graders) the Tornados slipped past the Roughnecks, 1-0; the Kicks edged the Whitecaps, 4-3, and the Sounders trounced the Surf 6-0.

An early goal by Kevin Featherston was the only score in the Tornados' 1-0 victory over the Roughnecks. After that, the Tornados fought off the efforts of Harry Botkka to put the ball into the net for the Roughnecks and emerged with the win.

Using the wind to advantage, Paul Grenier and Scott Piri scored three times for the Kicks in the first half of their game with the Whitecaps. In the second half, however, the Whitecaps had the benefit of the wind and racked up three goals of their own — thanks to the efforts of Eric Frisbee and Matt Miller. The contest might have ended in a 3-3 deadlock had it not been for a game-winning goal by Piri for the Kicks in the second half that gave his team a 4-3 victory.

After scoring just once in the first half, a 5-goal effort in the second half of their game with the Surf enabled the Sounders to romp to a 6-0 win in the last of three National Division games played last Saturday. The victors were led on offense by Scott Oliver,

(Continued on Page 7)

China Lake Intramural Volleyball League Standings as of April 4			
Team	Won	Lost	
<b>Open A Division</b>			
Doggie Daddies	3	0	
Hard Liquors	3	1	
Jungle Batters	1	3	
Non Dairy Creamers	0	4	
<b>Open B Division</b>			
Pioneers	4	0	
Code 258	1	3	
Code 254	1	3	
<b>Coed A Division</b>			
Fore Pause	3	0	
Ones	2	1	
Nice Sets	2	1	
Six Sets	1	3	
Brows	0	3	
<b>Coed B Division</b>			
Thumpers & Bumpers	3	0	
Poison	1	1	
The Volleys	1	2	
Uncle Dave's Hoods	0	2	

## Congressman visits NWC . . .

(Continued from Page 1)

the 9M version, and was concluded by more detail about the 9M model, which is now in its initial operational test and evaluation phase.

NWC's responsibilities for the Sidewinder 9M include design, development, and testing.

Continuing on to the Sparrow missile laboratory, Congressman Aspin was given an update on the Sparrow AIM-7F production program and the AIM-7M development program by Mark Stenger, head of the Sparrow Program Office in the NWC Weapons Department. He was then shown missile hardware and test facilities. NOW IN FULL SCALE PRODUCTION

The Sparrow AIM-7F is now in full scale production under contracts awarded to General Dynamics and the Raytheon Co. The Sparrow AIM / RIM 7-M is presently in the contractor test and evaluation stage with support from NWC.

Still in Michelson Laboratory, Congressman Aspin looked over work space in Wing 2 where he was shown some of the hardware and test equipment for the DSU-28 / B Target Detecting Device that is being developed for use in the AIM-54C Phoenix missile.

A report on this effort was given by Clyde Lebock, who is the Phoenix Ordnance Components Technical Manager with NWC's Fuze and Sensors Department. The aim of this program, Lebock noted, is higher reliability and improvements

designed to meet the wider threat encounter spectrum of the 1990s.

Next in the series of briefings for Congressman Aspin was a presentation by Don W. Cooper, head of the Electronics Branch in the Weapons Department's Electro-optics Division, who is a co-chairman of the Pave Prism Steering Committee.

This program (Pave Prism) was launched to determine if anyone in government or industry had a missile seeker that could meet the operational requirements of the Navy and Air Force for the next generation of air-to-air missiles.

In connection with Pave Prism, Cooper stated, the largest side-by-side testing of seekers (ground to air) that has ever been done has been carried out at NWC.

Pave Prism is a combined effort by the Navy, Air Force and industry to design a test that is cost effective. What has evolved is test system instrumentation that can determine with a high degree of accuracy when target acquisition by the missile seeker occurs.

#### LESS COSTLY TESTS POSSIBLE

With this instrumentation, ground-to-air tests that are much less costly than an air-to-air tests can be conducted as often as necessary.

Before leaving the Naval Weapons Center, the visiting Congressman also heard from Tom Hamilton about the Advanced Intercept Air-to-Air Missile (AIAAM), and from Gerald Schiefer about the High Speed Anti-radiation Missile (HARM).

Hamilton, who is the AIAAM program manager in the NWC Weapons Department, reported that the Center is working with industry to develop the technology base for the AIAAM, which is planned as a follow-on weapon to the Phoenix missile.

#### TECHNOLOGY TRADE-OFF PHASE

AIAAM is not yet a weapon development program, but is in a technology trade-off phase, and the Center is supporting the Naval Air Systems Command with technology efforts.

HARM is an anti-radiation missile that can home in on either land or shipboard radars. At the present time, Schiefer stated, NWC is responsible for a number of items of government-furnished equipment, and for monitoring the prime contractor, Texas Instruments, the firm that is responsible for test and evaluation of HARM.

Schiefer, who heads the NWC Electronic Warfare Department, also commented briefly on the general scope of on-going efforts in connection with the HARM program.

## Roads, driveways in housing area to be resurfaced

Driveways and roads in the residential housing area north of Blandy Ave. are scheduled to be slurry sealed starting next week.

Slurry seal resurfacer is applied wet and must fully cure or dry before driveways and roads can be used by children, pets, bicycles or larger vehicles.

A tack coat of asphalt emulsion is applied before the slurry seal; this coat remains somewhat sticky until the actual slurry is applied so residents are asked to stay off driveways immediately after the initial coat is applied.

In case slurry seal or tack coat get on vehicles or clothing, petroleum base solvents should remove either coating. Dry cleaning is recommended for clothing.

A notice will be put in the doors of Center residents about 48 hrs. in advance of work to be done so that all vehicles parked on streets and in driveways may be removed before the work is scheduled to begin.



**WELCOME ABOARD** — Capt. William B. Haff, NWC Commander, welcomes Congressman Aspin upon his arrival at Armitage Airfield for a brief visit Tuesday afternoon. — Photos by Ron Allen

## Community interest behind bids for election to council

Brenda Burnett, head of a budget branch in the NWC Office of Finance and Management, was elected to serve on the Ridgecrest City Council in last Tuesday's election, and, at press time for the ROCKETEER, Ron Cheshire, a quality assurance specialist in the Fuze and Sensors Department, was tied with current councilman LaVerne Smith for the third City Council seat. Also elected was Anna Marie Bergens, a local realtor.

Although full-time Center employees, Mrs. Burnett and Cheshire have volunteered their time and efforts to serve in city government because they feel that they can assist in making the community a better place in which to reside.

Mrs. Burnett's decision to make the long term commitment that running for city office implies was fairly recent; she and her husband, Dan, planned to become more involved with local community affairs when they moved into Ridgecrest after returning from a stint in Washington.

She felt that her background in financial management would be of use to the city because no other council member has a budget background.

Prior to running she discussed with current council members and with others in city government just what the issues affecting Ridgecrest currently are, and what the council is empowered to do.

Cheshire, who had run for City Council in a prior election, decided to run again because he felt that it is a responsibility of all citizens to do all they can in order to make the city the best possible place for all its residents and in which to raise children. He adds that this may sound a little "corny," but that it is sincerely the way that he feels.

Serving in city government, he believes, is a way of giving of oneself to the community. The more that each individual person is involved with the community, the better is the communication between city hall and its citizens.

The tie between Cheshire and Smith can be resolved in either of two ways, according to City Clerk Jackie Reed. Either of the candidates may ask for (and pay for) a recount to determine that the ballots were counted correctly, or they can draw lots to determine which will serve as councilman.



**MISSILE COMPONENTS EXAMINED** — A breakaway model of the Sparrow AIM-7F is used by Mark Stenger to describe the operation of this missile to Congressman Aspin. Viewing the display in background is William B. Porter, head of the NWC Weapons Department.

## Money sought for dust control study, test at Owens dry lake

A major step was taken Tuesday in the effort to control fugitive dust from Owens dry lake bed when the Senate Governmental Organization Committee unanimously voted to pass on to the Senate Finance Committee a bill to appropriate \$250,000 for a dust-control study and test program.

Tom Dodson, NWC Environmental Protection Officer in the Public Works Department, testified at the committee hearing as a witness for Senator Walter Stiern and Assemblyman Phil Wyman, co-authors of the bill.

Also present to hear testimony was Dr. Pierre St.-Amand, head of the Earth and Planetary Sciences Division in the Research Department, who represents the Center on the Owens Dry Lake Task Force.

Efforts were initiated in 1977 by NWC to seek funding to investigate methods to control and manage the dust source because of the effect that the air-borne dust has had on the health of Center employees, and the reduced visibility has had on range test

operations.

The Center itself committed about \$75,000 at the beginning of this fiscal year to develop solutions for controlling or managing fugitive dust emissions from the dry lake bed.

Dr. St.-Amand, Dr. Larry Mathews and Glen Roquemore from his division, and Dodson have been heavily involved in studying the lake bed and wind erosion processes. They and other task force members have also been studying dust management methods.

Additional funding beyond that from the Navy and other task force members is needed to define the most effective management techniques. The money appropriated, if the bill passes both the Senate Finance Committee and the full Senate, would provide this funding.

Senate Finance Committee hearings on the bill are expected to occur shortly, with Dodson again expected to testify in favor of the bill.

# Man-portable laser tested . . .

(Continued from Page 1)

Marines also learned the steps to follow in decontaminating the equipment itself.

Both the human factors and decontamination tests, which were held in the rear of Lauritsen Laboratory, were highly successful, according to Del Dobberpuhl, a physicist in the Laser Systems Branch (Code 3151) of the Systems Development Department, who is the NWC test director for the MULE.

During the three weeks they were at China Lake, half of the Marines sent here from Camp Pendleton engaged in target location and discrimination tests using the MULE at the Joshua Ridge facility in the Coso Mts.

The Marines also engaged in night compatibility testing from the roof of Lauritsen Laboratory using a night sight developed by the Night Vision and Electro-optics Laboratory in Fort Belvoir, Va. John Palmer, an employee of the Army, was here to provide instruction on the use of the night sight to identify targets and to make sure that the MULE was used properly with the night sight.

In addition, the MULE demonstrated compatibility with the Digital Communications Terminal (DCT), a device by which information can be automatically transferred without voice communication directly to an artillery fire control center. The DCT automatically sends information on azimuth, range and elevation of the target to the fire control center where, on command, the MULE designates the target for laser guided artillery or laser guided bombs.

An advantage of using the DCT is that its message can't be intercepted by an enemy radio operator, and it is more difficult to "jam" this type of radio transmission than is the case with voice transmission of radio

communications. A further advantage in automation is reduced likelihood of human error.

Assistance in evaluating the ability of the Marines to operate the MULE while wearing bulky, protective clothing, was provided by Jim Torre, from the Human Engineering Laboratory, Aberdeen Proving Ground, Maryland, and Marine Gy/Sgt. George Krause, from the Marine Corps Logistics Base in Albany, Ga., was on hand to handle upkeep and maintenance of the MULE.

Among observers of tests of the MULE conducted here were Maj. Dick Rodriguez, USMC, the Marine Corps' director of the operational testing; Capt. Dennis Morga, USMC, development project officer from the Marine Corps Development and Education Command at Quantico, Va.; and 1st Lt. Leonard J. Fitzgibbons, USMC a survey/metro officer. Maj. William Vacca, of the Marine Corps Liaison Office at NWC, worked on coordinating the Marine Corps participation in this project.

In addition to Dobberpuhl, NWC personnel from Code 3151 involved in the development testing of the MULE that is being done by the Center for the Marine Corps are:

Ed Teppo, who heads the Laser Systems Branch (Code 3151); Ted Bergman, the north finding module project engineer; Joe Nissley, an electro-optical engineer who is measuring the system parameters; and Bill Cope, an electronics technician who runs the electro-optical test range at Joshua Ridge.

Another of the interested observers was Tony Voorhies, technical field representative for the Hughes Aircraft Co., the firm that developed the laser designator/rangefinder and the stabilized tracking tripod module of MULE.



**ON TARGET** — The MULE, shown being operated by two Marines from Camp Pendleton, can be used either to determine the range to a target, or for pinpointing a target for laser-guided artillery shells, bombs or missiles. — Photo by Joe Dunn

## Rules on solicitation on ships, shore establishments outlined

WASHINGTON (NES) ... Every day we are bombarded by commercial solicitations for our hard-earned dollars. All too often, what is received for those dollars proves to be a disappointment. Consequently, the Secretary of the Navy has limited solicitation on naval ships and installations.

Solicitation is defined as "a seeking to obtain something from another." No person has an absolute right to enter a naval ship or installation for commercial solicitation. Instead, solicitations must be authorized by the ship or installation commander, to be conducted in such locations and at such hours as designated by that official.

Approved solicitation must be made by appointment only and at the invitation of the service member. All agents must be licensed under applicable federal, state or municipal laws and must comply with local command regulations before they are permitted to solicit.

**PROHIBITED PRACTICES**  
Certain solicitation practices are expressly prohibited. A sales pitch may not be made to a mass or captive audience such as recruits, trainees or other personnel on board a ship or installation.

Solicitation cannot be done without an appointment in transient personnel quarters or barracks areas. Retired or reserve members of the armed forces may not use official identification cards to gain access to military installations to solicit.

Solicitors may not enter any unauthorized or restricted areas; make appointments with personnel who are on duty; offer unfair, improper or deceptive inducements to purchase; use any fraudulent, deceptive or manipulative device (including misleading advertising); or, make any oral or written representations suggesting that the product offered is sponsored or endorsed by the Navy or Department of Defense. The penalty for failure to comply with these regulations is the denial of solicitation privileges on board government installations.

**INSURANCE SOLICITORS**  
Agents for insurance solicitations are subject to some additional limitations. Military members and Department of Defense (DoD) civilian employees may not engage in any solicitation of insurance sales to personnel on a military installation. An insurance agent may not participate in any military-sponsored education or orientation

program (with the limited exception of agents of non-profit military associations receiving prior approval of the Commander, Naval Military Personnel Commands).

Commands may not designate insurance agents as "unit insurance adviser," "SGLI consultant" or "battalion insurance commander." Agents may not be assigned office or desk space other than to conduct a specific pre-arranged appointment. They may not display signs announcing their names or company affiliations or distribute literature to anyone other than the person being interviewed. Finally, commands may not use plans of the day or other notices to announce the presence or availability of an insurance agent.

**OFF-DUTY SOLICITING**  
One particular prohibition is of vital interest to military personnel or civilian government employees who work for private concerns in their off-duty hours. Military members are expressly prohibited from making personal commercial solicitations or sales to DoD personnel who are equal or junior in rank to themselves. Civilian employees may not make solicitations to individuals under their supervision. The only exceptions are either a one-time sale of personal property or the sale of a privately-owned dwelling. This prohibition encompasses all solicitations made at any place — on or off base — and at any time, on or off duty. Military personnel who disregard this rule may be punished for violating a general order under the Uniform Code of Military Justice.

The Navy's policy is designed to minimize exposure of its members to improper or unwanted solicitation, particularly while on the job on board a ship or station. All DoD personnel have a duty not only to obey the applicable regulations, but also to bring any suspected violation to the attention of their commanding officer, officer in charge or supervisor for appropriate action. (By Lt. Cdr. Thomas R. Randall, JAGC, USN, Navy Legal Service Office, Norfolk.)

# Happenings around NWC

More than a thousand reports and books are now available in the Energy Library established in the NWC Energy Program Office located on the second floor of the Public Works Department building on Byrnes St.

Anyone on the Center who is interested in energy is welcome to use the library and to check out the reports and books available. Items are all cataloged by author, title and subject for the convenience of researchers.

Materials cover such diverse topics as conventional energy sources, energy economics and policy, fuel cell technology, energy conservation and storage systems, and ocean thermal gradients and waves.

An especially good collection of documents is available dealing with solar and geothermal technologies and other alternate energy sources.

Documents deal with commercial, industrial, and residential facilities; individuals who are trying to improve energy use in their own home are welcome to use the collection, in addition to those who are planning a work-related or educational use.

### Museum Program

The Maturango Museum has announced a most appropriate program for the spring season — Dr. Bob Berry will present a slide program on desert wildflowers on Wednesday, April 16, at the Burroughs High School lecture center. The free program will begin at 7:30 p.m.

The program on whales previously scheduled for the same evening has been cancelled; anyone who had already purchased a ticket can get a refund by presenting the ticket at the museum any afternoon between 2 and 5 p.m.

### Secretaries' Day

Centerites who are interested in attending the Secretaries' Day Awards luncheon, sponsored by the Federal Womens Program (FWP) on Wednesday, April 16, are asked to make their reservations by close of business Monday. The luncheon will be held at the Commissioned Officers' Mess from 11:30 to 1:30 p.m.

Capt. Louis Aldana, NWC Vice Commander, will speak on "The Value of Secretaries to the Center," and present the Secretary of the Year awards.

Menu choices for the second annual

Secretaries' Day luncheon are chef salad at \$3.35 per person or oven roasted chicken at \$3.40 per person. Reservations may be made by calling Eloise Burklund at NWC ext. 2634.

Special workshops, presented by Helen Reynolds, a management consultant, will be held next Wednesday at Cactus Hall in the Community Center. The first workshop, Time Management for Secretaries, will be held from 8 to 11 a.m., and the second one, Effective Office Management, from 1:30 to 4 p.m. The workshops are open to everyone.

### Benefit Musical

Three of the Starshine Singers accompanied by a combo will present four performances of family oriented music with all proceeds to go to benefit Sunshine House.

The performances will be held in the Community Center at 8:15 p.m. on Friday and Saturday, April 18 and 19, and on April 25 and 26. Community Center doors will open each night at 7:30.

General admission tickets are \$2, and \$1.50 for students, enlisted military personnel, children and senior citizens. Tickets may be purchased in advance from members of the cast, from Sunshine House, or at the door.

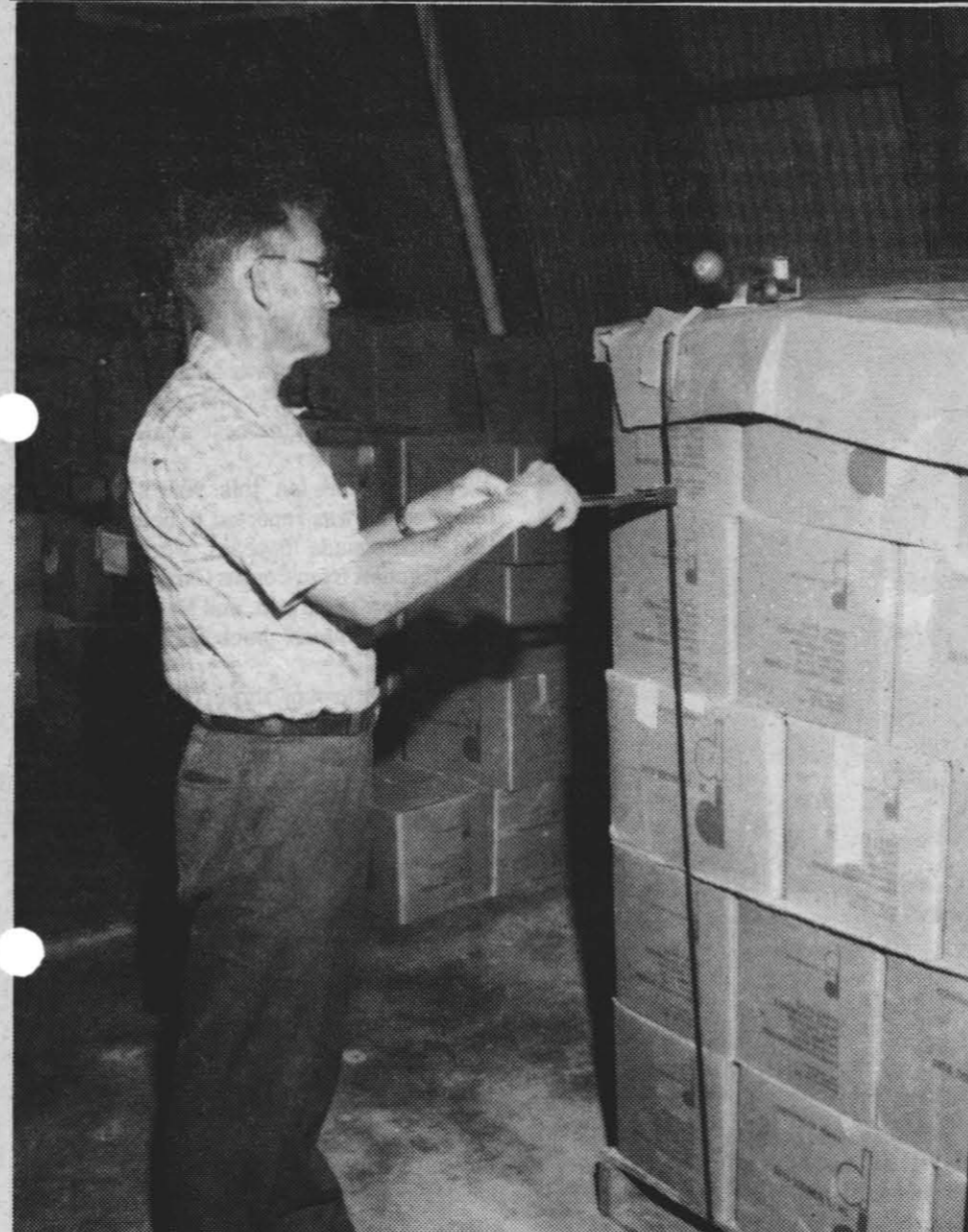
Starshine singers Elena Vitale, Cynthia Harris and Reno Venturi will be accompanied by a combo consisting of Mike Bass, drums; Bill Stader, bass; and Tammy Butler on the piano. The music will range from songs of the '50s to Academy Award winners to pop music of all sorts.

## Armed Forces Day . . .

(Continued from Page 1)

wish to sell food and beverages at the airfield. Food might be as standard as baked goods, hot dogs and hamburgers, or might be more exotic. Beverages can include the standard soft drinks, coffee, iced tea, and beer. Representatives of organizations who wish to sell food or drink should contact Lt. Bob Boyd, 446-2586, promptly.

Some additional static displays and demonstrations are also being sought for Hangar 3 at the airfield. Those who wish display space are asked to contact the Public Affairs Office, Code 003, by calling NWC ext. 3511.



**VALUABLE DISCARDS** — There's profit to be realized from the recycling of computer printout paper and IBM tab cards. Van Hewitt, the contractor who operates the China Lake Community Recycling Center, tightens the bindings on a wooden pallet loaded with boxes of such discarded material in preparation for hauling it off for sale. This is just one part of the local recycling center operation that is beginning its third year. — Photo by Ron Allen

## Recycling center starts 3rd yr. of successful operation at NWC

The China Lake Community Recycling Center, now beginning its third year of operation, is steadily picking up momentum as the general public becomes more and more aware of the payoff in energy savings and benefits to be gained from the re-use of natural resources that recycling of certain types of materials makes possible.

The local recycling center, located on S. Richmond Road at Santee Street, is operated for the Employees Services Board (ESB) by a contractor, Van Hewitt of Yucaipa, and a percentage of the profits is retained by the ESB recreation fund for use in funding programs and projects that will benefit the local area.

At the present time, the recycling center is handling an average of 130 tons of newspaper a year, 50 tons of computer printout paper and IBM tab cards, 50 tons of glass, and 12 tons of aluminum.

**SUPPORT APPRECIATED**  
Business has been good, and appreciation for this was expressed by Jim Fath, a co-founder with Jud Smith of the recycling center, who extended his thanks on behalf of ESB.

There has been a recent price increase in the amount paid for aluminum cans that individuals and groups are encouraged to bring to the recycling center on Saturdays between the hours of 8:30 a.m. and 1 p.m.

Local area residents who do not have an NWC pass can obtain a temporary pass at the south gate that will enable them to get to the recycling center, where they will be paid 30 cents per pound for clean, mashed aluminum cans that are ready for the shredder at the recycling center.

From an energy standpoint, salvaging aluminum cans is especially important, since making new aluminum from raw material requires large amounts of electricity.

More local residents are encouraged to donate glass bottles and other all glass items to the recycling center. The current going price for it is \$14 per ton.

Only glass jars, bottles and other glass containers should be dropped into the glass recycling pit, and they should be reasonably clean in order to avoid a sanitation problem at the recycling center.

No paper, pyrex, mirrors, plastics, ceramics or vehicle windshields should be tossed into the recycling pit.

A dumpster is located near the pit to provide a convenient place for residents to leave paper sacks or cardboard boxes that have been used to carry glass bottles and jars to the recycling center.

### OLD NEWSPAPERS TOP LIST

Old newspapers make up the largest volume of materials slated for re-use that is handled at the local recycling center. A large van at the recycling center can hold 10 tons (12 bales) of newspapers before it must be emptied to make way for additional donations.

Newspaper should be either bundled and tied with string or placed in a paper sack before being dropped off in the van, where it will be sorted and baled for shipment. Any cardboard or magazines tossed in along with the newspapers have to be separated before the newspapers can be shipped out.

### COLLECTION POINTS SET UP

There are now 30 collection points around NWC where the recycling center contractor is making regular stops to pick up newspapers and aluminum cans. Such collection points are located in Michelson Laboratory, the Administration Building, at the Technical Information Center, in the Public Works Department compound, the Earth and Planetary Sciences Building, at Armitage Airfield, the China Lake Pilot Plant, and at the Range Operations Building, for example.

In addition, the contractor also is making stops to gather IBM cards, computer printout and ledger paper on Center, as well as from some NWC contractors whose businesses are located in Ridgecrest.

## Girl Scouts hear about women in non-traditional jobs on Center

Six members of Cadette Troop 206, Girl Scouts of America, last Friday were welcomed on board the Naval Weapons Center by Belle Hervey, NWC Federal Women's Program Coordinator, and members of the Federal Women's Program (FWP) Committee.

The Girl Scouts, led by Mrs. Rosalie McChesney, were here to meet a trio of employees who hold non-traditional jobs for women at NWC.

Arrangements were made by Ms. Hervey for the Girl Scouts to meet and talk with Lisa Freeman, a research chemist in the Ordnance Systems Department's Advanced Technology Division; Susan Cragin, a mechanical engineering technician in Code 32's Conventional Weapons Division; and Barbara Slates, a technical librarian in the Reference and Circulation Branch of the Technical Information Department's Library Division.

The girls were met in the Personnel

Building by Ms. Hervey and Gene Schneider, of the FWP Committee, and escorted from there to Lauritsen Laboratory for their discussions with Ms. Freeman and Ms. Cragin.

After a tour of Lauritsen Laboratory, they met with Ms. Slates in the Technical Library.

The Girl Scouts were interested in what each of the women's jobs entailed, what kind of education was needed, what made the women choose their particular fields of endeavor, and what kind of support they had received from family and friends while seeking to realize their career goals.

All three of the women employees who were visited had prepared a brief demonstration using the tools of their profession, and, following it, were open to questions from their young visitors.

The members of Cadette Troop 206 who took part in this activity were Lori Beardslee, Amy Bechtel, Stacy Glover, Rochelle Kinnich, Patty McChesney and Dora Lopez.



**LEARNING EXPERIENCE**—Lisa Freeman (standing, at right) holds the attention of members of Girl Scout Cadette Troop 206 as she outlines various facets of her work as a research chemist in the NWC Ordnance Systems Department. Others standing are Gene Schneider (at left), a member of the Federal Women's Program Committee, and Rosalie McChesney, scout troop leader. The girls seated at right are (l.-r.) Rochelle Kinnich, Dora Lopez and Lori Beardslee.

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