

### Reception honoring Sylvia Winslow set at museum on Sunday

Sylvia Winslow, founding curator of the Maturango Museum, will be honored Sunday from 2 to 4 p.m. at a reception at the museum which will open a display of her art work that is to remain on exhibit through May 31.

This event marks the third anniversary of the founding of the museum's Sylvia Winslow Exhibit Gallery at the museum.

Mrs. Winslow has had a distinguished career as an artist. Although self-taught, she has seen her work exhibited at the Los Angeles County Museum of Art, the Ebell Club located in Los Angeles, the Palace of the Legion of Honor in San Francisco, and at numerous state fairs and other shows where her paintings have won many awards.

Her desert landscapes have attracted wide attention and led to her being invited to become a member of the prestigious Artists of the Southwest. Some of her paintings now hang on exhibit at the Death Valley National Monument's Visitor's



WORTH CLOSER LOOK — Pat Brown-Berry, director of the Maturango Museum, and her husband, Dr. Robert Berry, pause for a closer look at a display of flowering plants entered in the Standard Flower Show staged by local garden clubs during the High Desert Escapades' feste staged last weekend. — Photo by PHAN Greg Hogan

### Final program of 'romantic music' series slated tonight at college

The seventh and final program in the series "Exploring the World of Romantic Music" will be presented at 7:30 tonight in the Cerro Coso Community College lecture hall.

Seven musicians, all of whom have appeared as soloists earlier this season, will form a chamber music ensemble whose members will play a varied selection of pieces for diverse combinations of two to six performers.

Members of the group are pianist Gayle McComb, violinists Edward and Roxie Persi, cellist Tom Flaherty, violist Cynthia Fogg, tenor Richard McComb, and harpist Dominique Piana.

The highlight of the program will be a performance of the "Quintet in F-Minor," Opus 34, for piano and strings, by Johannes Brahms.

Other works include "Aria in Classic Style" for harp and piano by Marcel Grandjany; "On Wenlock Edge" for tenor, string quartet and piano by Ralph Vaughan Williams; and "Feerie" ("Enchantment") for harp and string quartet by Marcel Tournier.

The current series of seven programs, offered in commemoration of the 150th birthday of Johannes Brahms, is an educational production of Concerts & Concepts of West Covina, Calif. The programs are being presented here in cooperation with the Associated Students of Cerro Coso.

Tickets can be purchased in advance at the Music Man, 131 Balsam St., Ridgecrest, and also will be sold at the lecture center on the night of the program.

Ticket prices are \$5 each for general

admission, or a reduced rate of \$4 for young people under 18, senior citizens 65 years of age and over, and ASCC cardholders.

The featured artists for tonight's concert come from a variety of backgrounds, but all are established professional musicians who reside currently in southern California and are actively engaged in performing and teaching.

### Two special events on tap next Tuesday, Friday eves at COM

Two special events are coming up next week at the Commissioned Officers' Mess. They are a "Southern Night" on Wednesday, May 16, and the monthly Membership Night dinner and dance on Friday, May 18.

"Southern Night" features a dinner of southern-style chicken served in family-size portions from 6 to 9 p.m. The meal includes a tossed green salad, vegetable, and dinner roll at a cost of \$5.25 per person.

During Membership Night at the COM on May 18, a "Baron of Beef" dinner of prime rib, tossed green salad, potato, and dinner roll, will be served from 6 to 9 o'clock.

Following dinner, "Sunlight," a local musical combo, will entertain those wishing to stay and dance from 8 p.m. until midnight.

Cost of the evening on Membership Night is \$7 for COM members and \$8 for guests. Tickets must be picked up at the COM office no later than 4 p.m. on Wednesday, May 16.



On Mother's Day, this Sunday, the Enlisted Mess will prepare a special lunch that will be served buffet-style from 11 a.m. to 3 p.m.

The lunch includes entrees of Virginia-baked ham or roast beef and salad bar — all at a cost of \$5.50. There also is a child's special buffet lunch of chicken priced at \$3 for youngsters 10 years of age or under.

Tonight the Enlisted Mess has scheduled an evening of dining and dancing, beginning with a seafood plate dinner, served from 6 to 8:30. For those who wish to stay, or attend later, there will be dancing to the music of "Skyward," from 9 p.m. until 1:30 a.m.

On Saturday night, the EM will be serving its porterhouse steak dinner from 6 to 8:30.

It's "King Roast" night this evening at the Commissioned Officers' Mess. Diners can select from the regular menu or choose the special prime roast beef dinner, which will be served from 6 to 9 o'clock.

Tomorrow night Los Amigos Hispanos invite everyone in the community who likes to dance to attend a Cinco de Mayo dance at the exhibit hall on the Desert Empire Fairgrounds, from 9 p.m. until 1 a.m.

Music for the evening will be furnished by La Armada, a band from Los Angeles that plays international music. Tickets, priced at \$7 for individuals or \$12 for a couple, can be purchased at the door.

MOVIES section listing films like 'CARNABUA', 'ROMANTIC COMEDY', 'DEATH STALKER', 'THE LAST FIGHT', and 'GOING BERSERK' with showtimes and ratings.

### City Recreation Dept. annual dance recital set at theater tonight

The Ridgecrest Recreation Department's annual dance recital, "The Month of the Year in Color and Dance," will be staged at the Center theater this evening starting at 7 o'clock.

The free recital is an annual performance by local dance students who range in age from four years to adult.

The recital will feature a variety of dance styles, including ballet, tap, and jazz, that have been choreographed by Gina Phillips, Karen Kenny, and Debra Ryals, all local instructors.

Ms. Phillips, who is a former dancer with the San Diego Ballet Company and the San Diego City Center Ballet, has selected an adaptation of Johann Pachelbel's "Canon in D Major," originally performed by the San Diego City Center Ballet, for her students' recital.

Ms. Kenny will direct her students through a variety of tap dance routines, and Ms. Ryals will present a modern interpretation of the myth of Icarus (the Greek youth who flew too close to the sun).

### Ass'n of Old Crows slates meeting, talk on Tuesday evening

A general meeting of the Robber's Roost Chapter of the Association of Old Crows (Electronic Defense Association) will be held in the Michelson Laboratory Auditorium, Rm. 1000D, on Tuesday from 6:30 to 9 p.m.

Featured speaker for the evening will be Cozy Kline from Texas Instruments, Dallas, who will talk about the application of broadband precision direction finding systems as applied to attack helicopters.

The meeting is classified SECRET and visitor clearances will be required from contractors and non-NWC personnel. Center employees wishing to attend should contact Peggy Zulkoski at NWC ext. 2951.

Anyone seeking further information should telephone Dorothy Murphy at 446-5561.

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### Navy Relief Society fund drive underway

The annual fund raising drive for the Navy Relief Society got underway Monday, and will continue through June 6.

Spearheading the drive for the Naval Weapons Center is LCDr. John Cullinan, assisted by Lt. Brice Hammerstein, and, for Air Test and Evaluation Squadron Five, Lt. Bob Maholchic.

Contributing to the Navy Relief Society fund drive, either through cash or through payroll deduction, is one of the best ways to help other members of the Navy and Marine Corps family, Mary Pat Roach, who chairs the volunteers at the China Lake Branch of the NRS, points out.

Last year a total of about \$14,000 was collected during the fund drive at China Lake, and \$26,944 was expended through either grants or no-interest loans at China Lake.

Local loans and grants this year are expected to total considerably more, according to Mrs. Roach, because more than \$15,000 has already been used for such purposes since the start of the year.

All the money contributed to the Navy Relief Society can be used for direct aid to military members and their dependents and to retired Navy and Marine Corps personnel and their dependents because overhead costs are paid from funds invested previously. This also is possible because a large part of the NRS operation is carried on by volunteer workers.

Financial assistance provided by the NRS in times of emergency may be in the form of an outright grant, a loan without interest, or a combination of the two, depending on the ability of the individual to repay a loan in his or her particular circumstance. Assistance to dependents of deceased personnel is almost always a gift.

NRS provides help to dependents in case of a delayed or missing allotment, to both service members and to dependents when emergency transportation is needed for various kinds of family emergencies, as well as for a wide range of other financial needs that can arise.

All local military personnel are being urged to contribute so that the funds will be there to help fellow service members and their families when trouble arises.

VX-5 personnel will be contacted by Lt. Maholchic (or can contact him) to make their contribution.

LCdr. Cullinan and Lt. Hammerstein will be assisted by key persons in the wide range of departments on board, making individual contact with all local Navy and Marine Corps personnel easier so that each will be able to make his or her contribution

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READY TO "FLY" — Art Feinberg, HARM senior project engineer for NAVAIR 5421E1, stands beneath the test vehicle that will be used to check interaction between the HARM seeker and a target. The test vehicle missile is pulled down the hawser at a constant rate; when it reaches the tie-down area, it can then be winched back up into position for the next test. — Photo by Clare Grounds



NAVAL WEAPONS CENTER CHINA LAKE CALIFORNIA

### McKenzie honored at retirement lunch, gets Meritorious Civilian Service Award

The presentation of the Navy Meritorious Civilian Service Award provided an appropriate climax to expressions of appreciation for service made to Robert V. McKenzie at a retirement luncheon held last Friday at the Commissioned Officers' Mess.

The Navy Meritorious Civilian Service Award is the third highest Navy award; it is presented to recognize contributions resulting in high values or benefits to the Navy.

Throughout the program speakers expressed their appreciation for the work that McKenzie has accomplished in the field of management analysis and as a senior staff resource throughout the years since 1964, when he came to work at what was then the Naval Ordnance Test Station and is now the Naval Weapons Center.

Among his many outstanding accomplishments, McKenzie designed and developed the Management Audit Program to examine the state of health of major organizational components of the Center, and conducted many of the audits himself during the following years.

As Gerry Schiefer, Laboratory Director, said when he presented the Laboratory and Test and Evaluation Directorate plaques to McKenzie, "Bob has been a member of the medical staff in that he has regularly taken the pulse of the organization, has served as its corporate memory, and been a sounding board and counselor to all of us as well as providing the feedback we need."

These thoughts were echoed by Bob Hillyer, now Technical Director at the Naval Ocean Systems Center in San Diego,



CONGRATULATIONS IN ORDER — Bob McKenzie (l.) accepts congratulations from Gerry Schiefer, Deputy Technical Director, for receiving the Navy Meritorious Civilian Service Award, as McKenzie's wife, Carol, and Capt. Scotty Vaught, Chief Staff Officer, look on. — Photo by PHAN Rebecca Gill

as he presented a plaque from the Director of Navy Laboratories.

The Naval Weapons Center, Hillyer noted, has a long record of success due to the people here. Partly, he feels, this is due to the civilian-military team, partly to the freedom of thought permitted.

"Leaders don't do it," said Hillyer. "It's the culture that was developed by the early people and that was protected, maintained, and nurtured by Bob McKenzie. He's been a trusted advisor to all of us."

The vital role of the Center was emphasized by McKenzie himself as he spoke his words of appreciation following presentation of the Navy Meritorious Civilian Service award by Capt. Scotty Vaught Chief Staff Officer.

The culture, values, heritage and history of the Center are very crucial, he said because these lead to the cooperative forr of organization that gets things done.

"Maintain your vigilance," McKenzie (Continued on Page 3)

### Towers at Randsburg Wash facilitate multiple runs of HARM seeker, telemetry test vehicle

While most missile seekers make only one trip between their launching and their target, a seeker for the High Speed Anti-Radiation Missile (HARM) is busily making many such flights at the Center's Randsburg Wash Test Range.

However, instead of being in an actual HARM, this seeker is mounted in a test vehicle that is suspended on a two-inch nylon hawser attached at the 260-foot level from the 300-foot towers. The hawser can be moved so that the terminal encounter (when the test vehicle "flies" by the target) will be at a variety of angles.

The test vehicle, which was built by Texas Instruments, contains a HARM seeker and a telemetry unit to transmit seeker data to a test van where it is recorded.

After a "flight," the test vehicle is pulled up the hawser so that it can be used again to gather seeker performance data for another set of terminal intercept conditions. The primary purpose of this test program is to determine if terminal seeker data can be used to enhance the HARM fuzing and if so to develop the necessary algorithms to incorporate the enhanced capability.

Not a great deal is known about the interaction between a seeker and a target at distances of 50 to 500 feet; these analog tests are intended to provide data about such seeker/target interaction that will be used by Fuze and Sensors Department personnel to improve the missile's fuze capabilities.

The Naval Weapons Center has been tasked by the Naval Air Systems Command to conduct these tests in support of on-going HARM product improvement activities. This effort is being worked jointly by the Surface Targets Fuze Branch in the Fuze and Sensors Department, headed by John

Crisler, and the HARM Program Office headed by Jim Rudeen. Virgil Christenson, Product Update Manager for HARM, is directing the conduct of this project.

In preparation for the tests, three concrete slabs were laid in the area by the 300-foot towers at Randsburg Wash to serve as the tie-down points for the hawser to provide 15-, 30-, and 45-degree terminal angles.

Two 250-pound test vehicles were manufactured by Texas Instruments. One has a power meter mounted in the seeker and will be used to measure emitted target power levels. Based on this information, the trajectory of the second vehicle will be modified if necessary. The second test vehicle uses a HARM seeker that has been characterized for large boresight angle performance up to saturation and will be used for all test measurements.

Seeker data and measured position data will be transmitted to the test van for recording. The data gathered in these analog tests will then be reduced so that project engineers can see what actually does happen when a missile seeker and target interact at a variety of positions, including terminal angles of 15, 30 and 45 degrees, and during fly-by and fly-over conditions.

Art Feinberg, Senior Project Engineer in the Naval Air Systems Command's HARM Class Desk, Code 5421E1, recently visited the test site to see the tests in operation. Feinberg then reported on the tests to Capt. Larry Kaufman, Naval Air Systems Command (PMA-242) Program Manager Defense Suppression Systems.





