



SUCCESSFUL COMMUNITY PROJECT — Approximately \$2,200 was netted at last weekend's "Great Desert Adventure" held at Cerro Coso Community College in order to benefit the fund for the maintenance, operation and improvement of the local television and FM radio booster system. Nearly 700 persons attended the art exhibit and auctions, and also had a chance to see a variety of ecology displays sponsored by the Maturango Museum. In this collection of photographs from the two-day affair are seen (at top left) a group of prospective bidders looking over the art which had been donated for the auction, while at top right, Carol Panlaqui (at left), the museum's archeology chairman, and Janet Westbrook, a member of the museum's board of trustees, examine a wildflower display. Below, in the large photo at left, Dick Mahan

displays a painting which auctioneer Bob Pruett (with beard, above) is accepting bids on. To its right, in the middle row of photos, museum director Ken Robinson and his wife, Liz, look over a wildflower display, as does young Paul Nelson, at far right. In the center photo of the bottom row, Dr. Richard S. Meyers, president of Cerro Coso, proudly displays his purchase of a metal sculpture by Dr. Bill McEwan, while, to its right, Doug Allen, president of the college's Science Club, goes over the fine points of a lizard's skeleton with an interested young visitor. The funds were raised through the sale of tickets for admission to the art exhibit and from prices realized on the 65 donated artworks. A total of about 60 volunteers from the college and community participated in this worthwhile project. —Photos by Ron Allen

Art show set at Community Center this weekend

A number of special demonstrations will be presented by local artists during the two-day area show of the Kern County Art Festival, which will be held this weekend at the Community Center. Hours for public viewing will be from 2 to 8 p. m. on Saturday and from 11 a. m. to 5 p. m. on Sunday.

The show is open to the public without charge and is sponsored locally by the Desert Art League. Rules and administrative procedures are formulated by the Kern County Parks and Recreation Department.

Painting demonstrations will be given by Donald G. McCauley on Saturday from 3 to 5 p. m. and on Sunday from 2:30 to 5 in contemporary Western watercolor, while Martina Camphausen will do little people character studies from 4 to 6 on Saturday and from 11 to 1:30 on Sunday.

Other Demonstrations
In addition, Leo Nowak will be presenting Western heritage oils from 5 to 7 on Saturday; Vonnie Bennett will demonstrate realistic impressionistic painting from 12 to 2:30 on Sunday; Betty Speckles will be doing still-life from 2 to 4 on Saturday; and Lorraine McClung and Maxine Booty will present a joint still-life painting demonstration on Sunday also from 2 to 4.

During Saturday's show hours, wood and steel carving will be done by William S. McEwan; stitchery by Betty Brown; silversmithing and lapidary by Ramona Orton; and Paul Myers, joined by selected students from his Cerro Coso Community College, classes, will be exhibiting stoneware on the Community Center patio.

Clifford Johnson has arranged for a popularity vote in the professional artists' exhibit. Professional artists do not compete locally but may compete at the Kern County finals in May with other county

professionals.

A number of paintings, which have been contributed by Desert Art League members, will be given away as door prizes at the Art Festival. In addition, Desert Art League members have contributed miniature paintings for sale during the show.

Elementary school and high school entries are entered through the local schools. Adult amateur entries must have the official entry stickers attached to the back of the paintings which have been sent by the Kern County Parks and Recreation Department after applications were received on March 1. Professional artists

Bids for music scholarship due May 1

Young people who intend to pursue studies in musical fields are invited by the Desert Community Orchestra Association to submit applications by May 1 for the Orchestra Association's annual scholarship award, which is to be presented at the orchestra's May 22 concert.

The scholarship, intended as financial assistance for further musical studies for especially promising young musicians, is presented each year to a high school graduating senior, a music student at Cerro Coso Community College, or a member of the Desert Community Orchestra Association.

Some years, the Orchestra Association presents more than one such award. Last year's recipients, all graduates of Burroughs High School, were Mary Martin, Nita Crawford and Clint Freeman. All three are now pursuing musical studies in the California State University system.

Music students applying for this year's scholarship are invited to write a letter to the board of directors of the Desert Com-

are not required to have entry stickers to display their work at the Community Center.

Each entrant in the competition is allowed to enter two works of original art which must have been executed during the past year.

The purpose of the Kern County Art Festival is to encourage art at all age levels and to recognize those who enter their art work. Blue-ribbon winners at this local area event will advance to the county finals in Bakersfield in May, where they will compete with winners from nine other areas of Kern County.

This letter should tell the scholarship committee something of the student's plans for study, field of study, and aims and goals in music. Each applicant will be interviewed by the committee, a trio of knowledgeable individuals representing the music program of the school district, the Desert Community Orchestra, and the music teachers of the community.

Applicants may send their letters to the Scholarship Committee, Desert Community Orchestra Association, P.O. Box 1988, Ridgecrest. These letters should reach this address before the May 1 deadline. Additional information may be obtained from Lorraine McClung by calling 375-7987.

The scholarship will be awarded during the intermission of a joint program by the Desert Community Orchestra and the Cerro Coso College Choir in the college lecture hall on May 22. Two works have been programmed for this concert. They are "Mass in G" by Franz Schubert and a recent work by British composer John Rutter entitled "Fancies."

SHOWBOAT

MOVIE RATINGS
The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

(G) - ALL AGES ADMITTED
General Audiences
(PG) - ALL AGES ADMITTED
Parental Guidance Suggested
(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian
CS - Cinemascope
STD - Standard Movie Screen
Regular starting time—7:30 p.m.
Program subject to change without notice — please check marquee.

FRI. 22 APRIL

"THE BAD NEWS BEARS" (102 Min.)
Walter Matthau, Tatum O'Neal
(Comedy) Ex-minor league baseball player Matthau is now a pool maintenance man. He is hired by a city councilman to organize the Bears, a Little League team. Matthau takes one look at the inept team and goes back to drinking. But the team's ineptitude and Matthau's nonmanagement result in the grave losses; he sobers up and drafts star pitcher Tatum O'Neal and a star batter. Now, the Bears are in the running. (PG)

SAT. 23 APRIL

"THE BLACK BIRD" (98 Min.)
George Segal, Stephanie Audran
(Comedy) Sam Spade is spoofed in this film, based on Humphrey Bogart's classic, "The Maltese Falcon." Sam Spade, Jr., (Segal) is a private eye like his father. He is forced to deal with a menagerie of oddball criminal-types who are after his father's black bird, the Maltese Falcon. (PG)

MON. 25 APRIL

"THE PINK PANTHER STRIKES AGAIN" (103 Min.)

Peter Sellers, Herbert Lom
(Comedy) This is the fourth in a series of Pink Panther movies starring Sellers as zany Inspector Clouseau. This time, the former Chief Inspector (Lom) has gone insane and plots to do away with Clouseau, who has taken over his job. (PG)

TUES. 26 APRIL

IWV Gospel Concert Association presents
The Blackwood Brothers
7:30 p.m.

WED. 27 APRIL

"SHADOW OF AN EMPTY ROOM" (99 Min.)

Tisa Farrow, Carole Laure
(Action Drama) The scene is set in Canada and centers around a police captain (Carole Laure) who, after receiving a phone call from his sister (Tisa Farrow), becomes involved in solving a murder. Arriving at the college at which his sister is a student, he finds she has been killed. This fast moving film keeps audiences on the edge of their seats as Laure pursues the suspect through the streets of Montreal. (R)

FRI. 29 APRIL

"THE LAST CIRCUS SHOW" (91 Min.)

James Whitmore, Lee J. Cobb
(Human Interest) This is the story of a young boy who is the unhappy victim of a broken family. Slowly, the boy's father sinks into despair and alcoholism until he is unable to earn a living. The boy is a born performer and succeeds in supporting them by giving puppet shows for neighborhood children. While outwardly courageous, inwardly he broods and longs to see his mother. Overcome by weeks of fatigue and malnutrition, the boy collapses and is rushed to the hospital. Despite all medical assistance, there is little hope for his survival. The only cure could be his dying wish to see his mother again. (G)

SAT. 30 APRIL

"GATOR" (116 Min.)

Burt Reynolds, Jack Weston
(Action Drama) Mischievous moonshiner Reynolds is released from prison in order to put Durston County's organized crime lord out of business and into jail. Reynolds faces hefty prison time if he doesn't agree. Free, he infiltrates the crime lord's gang and gets hold of documents that will put his former buddy in jail. (PG)

Dance slated at Shuttle

The Act Band, a rock group from Los Angeles, will perform at the Shuttle tonight from 9 until 2 a. m.

U.S. Government Printing Office:
783-056 — No. 1023

From: _____	PLACE STAMP HERE
To: _____	

nwc rocketeer

Naval Weapons Center
China Lake
California

April 22, 1977

Vol. XXXII, No. 16

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Mobile Land Targets' use helps to sharpen pilots' bombing, gunnery skills

A new, second generation Mobile Land Target (MLT) developed by the Naval Weapons Center's Range Department has proved its worth as a modern, flexible target platform, while at the same time saving target acquisition dollars for both research and development tests and naval air gunnery training.

This new vehicle replaces the old World War II QM-56 drone tanks that have been used for many years at NWC and at other major Navy training ranges as the principal moving land target for weapons testing and Fleet pilot training.

The QM-56 was not only a costly vehicle but, over the years, the original total of 80 tanks has been reduced by attrition and wear to the point where only a half-dozen remain in semi-operational use. As a consequence, pilot marksmanship training against moving targets at the Navy

Training Ranges has gradually been eliminated or waived from squadron training assignments because of target non-availability.

Faced with this situation, Charles White, surface targets program director in the Naval Air Systems Command's (NAVAIR) Target and Range Systems Division, contacted the NWC Range Operations Division for assistance in determining the criteria for a new ground target based on the "dune buggy" concept that the Center pioneered in 1973 for the War-at-Sea program.

In response to this request from NAVAIR, Bob Barsaloux, head of the Operations Support Office in what is now the Center's Range Department, and Bob Williams, an electronics engineer in the Air Operations Branch, formulated a quick reaction program based on requirements of a "very economical (less than \$10,000 R&D cost), highly maneuverable, low fuel consumption, easily field maintainable, remote line-of-sight controlled vehicle."

New MLT Program Born

The updated "dune buggy" that was developed by Barsaloux and Williams was demonstrated in late 1975 to representatives of NAVAIR and the five major naval air training range commanders, and the new MLT program was born.

Given the go-ahead, Barsaloux and his co-workers contacted a manufacturing firm in El Cajon, Calif., with an order for five ruggedly-built dune buggies similar to those used to compete in the Baja California races. At the same time that this manufacturing work was under way (the first such machine was delivered in April 1976), effort on the development of the MLT's unique drone control system was going on simultaneously at NWC.

A year ago (less than five months from program inception), the first Mobile Land Target was produced — meeting all specification criteria.

In addition to Barsaloux and Williams, the project engineer who designed the

(Continued on Page 5)



FIELD TEST TEAM — Field tests of the Mobile Land Target have been made at such widely scattered locations as the Fallon Naval Air Station in Nevada and a remote island 40 miles off the eastern seacoast where a bombing range used by pilots from the Marine Corps Air Station at Cherry Point, N. C., can be found. Bob Barsaloux (at left), John Ayers (standing) and Bob Williams (in driver's seat) are going through such typical preparations for a field test as installing a steering bolt, making a final adjustment on the MLT antenna, and checking the operation of the vehicle's remote controls. —Photos by Ron Allen

Head of Technical Information Dept. to retire

C. E. Van Hagan, a licensed professional engineer turned technical writer, will retire next Friday, April 29, following a 27 year career in the latter field at the Naval Weapons Center and its forerunner the Naval Ordnance Test Station.

A retirement party for Van Hagan, who has been head of the Technical Information Department since August 1971, will be held next Wednesday evening at the Commissioned Officers' Mess. Festivities will begin with a social hour at 6:30, followed by presentations of farewell gifts and mementos at 7:30. Those wishing to remain for dinner afterwards must make a reservation by calling NWC ext. 2634 no later than Monday.

The honoree, who has a BS degree in civil engineering from the University of Wisconsin and a Certificate in Traffic Engineering from Yale University, spent eight years as an engineer, involved first in heavy construction work and later as a traffic engineer for the State Highway Commission in Wisconsin. His decision to switch to technical editing in 1944 was based

on a desire to enjoy more regular working hours and be able to spend more time at home with his wife and two young daughters.

Engineering's loss was a gain for the technical communications profession in which Van Hagan has gone from writing and editing to teaching and supervising and finally to administration of a department which, at its peak, totalled just under 200 full-time employees.

Along the way, he has been the author of "Handbook for Authors of Technical Reports," a NOTS publication in 1951; and "Report Writers' Handbook," published

editor, he was selected two years later to head the Editorial Branch of what was then the Design and Production Department — an organization with editors at China Lake and illustrators and compositors at the Pasadena Annex.

Successfully surviving two years of confusion that such an arrangement fostered, he became (in 1954) head of the Publishing Division when the Technical Information Department was organized here in 1954.

For the next 17 years — until the latter part of 1971 when he succeeded K. H. Robinson as head of TID — Van Hagan directed the operations of the Publishing Division, whose 50 to 60 employees were engaged in turning out a wide variety of reports, articles, manuals and related publications. The subject matter included nearly all fields of engineering, physical science, many fields of natural science, computer science and psychology.

There were just three divisions — Publications, Presentations and Technical Library — in the Technical Information

(Continued on Page 3)



C. E. Van Hagan

commercially by Prentice-Hall, of Englewood Cliffs, N.J., in 1961. In addition, he has taught technical writing courses sponsored by the Extension Division of UCLA and the University of California at Santa Barbara, by the University of Southern California, the 12th Civil Service Region and by various Navy laboratories and shore installations.

Van Hagan's entry into the writing field was as a technical editor with the U.S. Forest Products Laboratory, Forest Service, Department of Agriculture in Madison, Wisc. Just prior to coming to China Lake in 1950, he worked for two years as secretary-treasurer and editor-in-chief for the Forest Products Research Society, also in Madison.

Hired by NOTS as a senior technical



NEWLY DESIGNED MLT — Foreseeing the need for further changes that will increase the value of the MLT to all military users, work is under way on the next generation of this vehicle. Looking it over are Pat Rampy, mechanic (at left); Charlie Mills, the program administrator (standing); and Bob Barsaloux, head of the Range Department's Operations Support Office.



RETURNS TO CHINA LAKE — Jerry McMullen, chief aerographer's mate (at left), has relieved Ray Plattner, master chief aerographer's mate, as officer-in-charge of the Naval Weather Service Office at the airfield. AGCM Plattner, who has been here since January 1976, will leave on Monday for the Naval Air Station, Alameda, Calif., where he will be the master chief petty officer of the command, while AGC McMullen reported here from the Commander, Service Group Western Pacific, homeported at Subic Bay on the Philippine Island of Luzon. This will be the second tour of duty at NWC for AGC McMullen, who was here previously from 1971 to 1974. During the three years that he has been away from the desert, the new O-in-C of the Naval Weather Service Office spent two years at the Naval Station at Sasebo, Japan, and a year at Subic Bay. "I love the desert and am looking forward to another tour here," AGC McMullen, who is a veteran of 18 years of service in the Navy, said. —Photo by Ron Allen

Information to be provided about NCFA program for military personnel

Richard D. Davis, an education specialist from the Naval Air Missile Test Center at Point Mugu, will pay a visit to the Naval Weapons Center next Thursday and Friday, April 28-29, for the purpose of advising military personnel who wish to further their formal education through the Navy Campus for Achievement (NCFA) program.

Davis, who is the NCFA advisor for this area, can assist those interested in taking college courses for credit by mail by evaluating their previous education, advising them regarding what courses are available, and helping them to select realistic goals.

College by mail is just one of several off-duty educational programs offered through NCFA. It is valuable to military personnel who are often transferred from one location to another because it permits them to contract with an NCFA college and then obtain 75 per cent of their credits in non-traditional ways. These include by testing, independent study, and attendance at Navy training schools.

Wherever they are stationed, military personnel may take courses at nearby colleges or universities and have their credits transferred to the college they are contracting with under the NCFA program. Locally, Harriet McDonald, who is the control officer for the Defense Activity for

Non-Traditional Education Support (DANTES), can order and administer tests, and also process tuition aid applications. Financial assistance that will cover 75 per cent of the cost of tuition for independent study courses is available for enlisted personnel.

Arrangements for an appointment for educational counseling by Davis can be made by calling the Educational Services Office in the Military Administration Building, ph. NWC ext. 3314.

Two Centerites attend technical symposium in Va.

Two Naval Weapons Center employees presented papers and attended seminars this past week at a technical symposium and instrument display that was held at the Sheraton Inn and International Conference Center in Reston, Va., by the Society of Photo-Optical Instrumentation Engineers, (SPIE).

Purpose of the symposium, which was presented in cooperation with a number of government agencies (including the National Aeronautics and Space Administration and the Department of the Navy's Office of Naval Research) was to present in-depth information on the application and utilization of optical, electro-optical, photographic and laser technology needs of government, science, industry, education and medicine.

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 077). 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.

Secretary (Typing), GS-318-5, PD No. 7735031, Code 3596 — This position is that of secretary, located in the Harm Program Office, Electronic Warfare Department. The program office is responsible for the development, test and evaluation of the High-Speed Anti-Radiation Missile (HARM) Weapon System. The incumbent provides secretarial support to the program manager, such as receiving contractors and visitors, screening incoming calls, maintaining technical files and documents, arranging for travel, and editing and typing reports and correspondence. The incumbent is responsible for coordinating preparation of monthly reports and handling security matters for the program office. The incumbent also coordinates various personnel items. **Job Relevant Criteria:** Ability to type efficiently and accurately; knowledge of security regulations, personnel procedures and the NWC correspondence manual; observed ability to use good judgement and make decisions.

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118.

Visual Information Assistant, GS-1001-4, PD No. 7732028, Code 2342 — Located in the Technical Information Department, Composition and Layout Branch, the holder of this position performs a variety of functions involved in the production of repro-ready material in support of the Center publication and presentation programs. The incumbent will assist visual information specialists in effective communication through the composition of visual materials, and will perform composition and proofreading of printed material. **Job Relevant Criteria:** Experience in composition, layout or preparing visual materials; knowledge of proofreading techniques, basic grammar, spelling and correct abbreviations; knowledge of marking repro copy with printer's instructions and the sizing and cropping of photographs and illustrations. Promotion potential to GS-7.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2393.

Mail and File Clerk, GS-305-3/4, PD No. 7439014N, Code 39023 — This is a WAE position located in the Weapons Department office. The incumbent provides services for the entire department in the areas of mail control (including mail, files, records and reproduction); serves as the focal point for the department's records. **Job Relevant Criteria:** Knowledge of the Center's organization; ability to communicate, both orally and in writing; ability to work with a minimum of supervision, to deal tactfully with people, and to organize files.

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

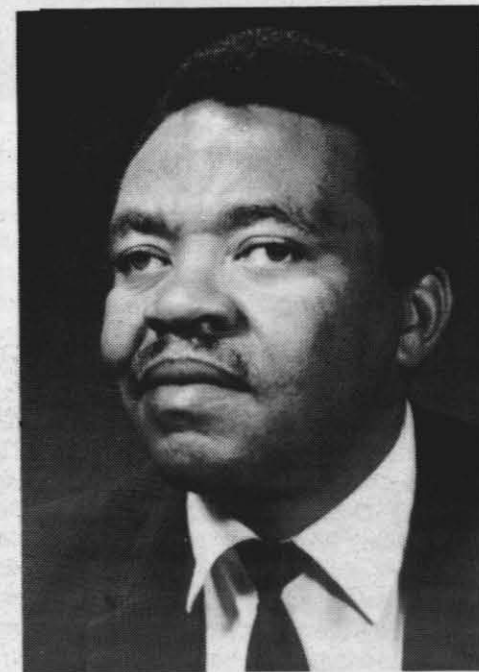
Clerk-Typist, GS-322-3/4, or Employee Development Clerk, GS-203-4, PD No. 7465015, Code 094 — This is a temporary position not to exceed 1 year. This position provides clerical support to an EDS in the Personnel and Organizational Development Division. A wide variety of duties includes typing correspondence and forms, answering questions in person or over the phone, filing, enrolling people in courses, assembling course material, etc. **Job Relevant Criteria:** Ability to work independently.

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

NWC representatives at the SPIE symposium were Dr. H. E. Bennett, associate head of the Physics Division in the Research Department, and Robert P. Moore, head of the Electronic Warfare Department's Microwave Radiometry Branch.

Dr. Bennett presented a paper entitled "Reduction of Stray Light From Optical Components," and also was a member of a 3-man panel whose members led a discussion on "Measurements and Standards."

Moore's paper was entitled "Real Time Microwave Imager." He was a participant in a seminar on the subject of "Airborne Reconnaissance Tactical / Real-Time."



Robert P. Moore

demonstrated ability to work under pressure and meet deadlines, ability to deal effectively with people, and must be a qualified typist.

File applications for the above with Carol Downard, Bldg. 34, Rm. 208, Ph. 2577.

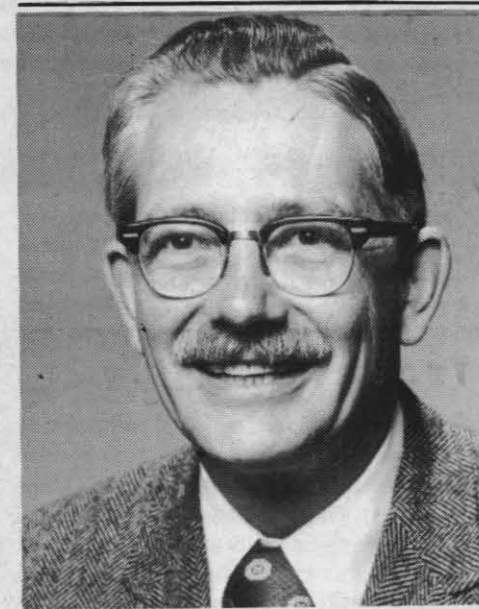
Procurement Clerk (Typing), GS-1104-5, PD No. 7435039-3N, Code 2524 — This position is located in the Contracts Branch, Procurement Division, Supply Department. Incumbent types contracts, invitations for bids, Naval messages, etc.; assembles bid packages; maintains Bid Board; types travel orders and itineraries, and sorts and distributes mail for the branch. **Job Relevant Criteria:** Ability to use a magnetic card typewriter, ability to type statistical material, and knowledge of procurement documents and procedures.

File applications for the above with Terry Rowell, Bldg. 34, Rm. 210, Ph. 2371.

Art League meeting set

The Desert Art League will hold its next monthly meeting on Monday, starting at 7:30 p.m., at the Community Center. Special guest will be Kaffy Reinhardt of Arcadia, who will be demonstrating still-life painting.

There also will be an election of officers for the coming year and a report on the area show of the Kern County Art Festival.



Dr. H. E. Bennett



DIVINE SERVICES

PROTESTANT	
Sunday Worship Service	1015
Sunday School — All Ages	0900
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	
Saturday 1700 fulfills Sunday obligation	
Sunday 0700 0830 1130	
Nursery, Chapel Annex 1	0815-1245
Daily except Saturday, 1135, Blessed Sacrament Chapel	
CONFESSIONS	
Daily	1115 to 1130
Saturday	1615 to 1645
Sunday	0800 to 0825
RELIGIOUS EDUCATION CLASSES	
Sunday Pre-school thru 6th grades	1015
Wednesday Kindergarten thru sixth	1530
Sunday Seventh & eighth (Junior High)	1900
Above classes are held in Chapel Annexes across from the former Center Restaurant.	
Sunday evening Ninth thru 12th grades	
As announced "In Home" Discussion Groups	
Youth Rallies	
Contact Chaplain's Office for specifics.	
JEWISH SERVICES	
EAST WING—ALL FAITH CHAPEL	
Sabbath Services every Friday	1930
UNITARIANS	
CHAPEL ANNEX 95	
Services—(Sept.-May)	1930

Burros lose two...

(Continued from Page 6)

were two outs when Francis Maikai drew a walk and moved to second on a hit by Greg Lyndeen. Allen Upchurch kept things going with a single that drove in Maikai and also enabled Lyndeen to cross home plate when the throw in from the outfield was mishandled by the Burros.

The Burros got one run back in the third inning and another in the fifth to tie the score at 2-2.

In inning No. 3, Mayer, who was safe at first on an error that made it possible for him to continue on to the keystone sack, scored later on a single by Harbin. A ground ball that was turned into a double play stymied any further scoring by the locals, who had the bases loaded before being retired in the third inning.

In the fifth frame, Mayer drew a walk, John Cruz was safe on a bunt single, and (with one out) Ernie Bell drew a walk to again load the bases. A ground ball off the bat of Harbin was handled by the Palmdale third baseman, who threw out Mayer at home plate, but Cruz tallied moments later on a wild pitch. Jene Carter, the winning pitcher for Palmdale, then struck out the next batter to stifle any further scoring by Burroughs.

The Falcons, who previously had won only a single league game this season, tallied their game-winning run in the sixth. Greg Rime singled and then stole second base. With two outs, the Burros' shortstop hurried his throw on a ground ball hit by Maikai with the result that the hitter not only was safe at first, but Rime was able to score from second base on the play.

In the Burros' final turn at bat in the top of the seventh, Bell drew a walk and Harbin singled but, with two outs, the Palmdale team was up to the challenge and shut off this threat to end the game.

Harbin led the Burros with three hits in four times at bat, including one RBI, while Paul Fath was the losing pitcher.

Local gymnast...

(Continued from Page 6)

Children 5 and under are free.

Plans are now under way to raise funds in the community to send Miss Specht and her coach to Phoenix. "It's expensive to compete Class I," explained Marilyn Ball, who coordinates the team program for the City of Ridgecrest Recreation Department. "Up to this point, the Spechts have borne the brunt of the expense for taking Kyra to meets. Now that the nationals are being held out of state, these expenses will go up."

Mrs. Ball also pointed out that the local team has been fortunate this year in having all Class I qualifying meets held in California, and that the Spechts' expenses are bound to escalate even further as their daughter continues to compete in top level gymnastics.

Anyone who would like to make a contribution to help with these expenses may make checks payable to the High Desert Gymnastics Team, with "Kyra Specht Fund" written in the lower left-hand corner of the check. These checks should be sent to the City of Ridgecrest Recreation Department, Ridgecrest City Hall.

Opening ceremonies set

by C.L. Little League

Opening day ceremonies for the 1977 season of the China Lake Little League will be held on Monday at diamond No. 4 (across the street from the Credit Union Building), beginning about 5 p.m.

A representative from the NWC Command will throw out the first ball for the game to follow, which will feature the Giants against the Tigers. The public is invited to this traditional event.

According to league officials, the five Major Division teams appear to be evenly balanced. The championship team for the first half of the season should be determined by May 20, while the winner of the second half will be known by June 24. Playoffs for the over-all season title, if needed, will be held the week of June 26 to 30.

Employee in the spotlight



Jim Jackson

orientation of 100 Navy fire chiefs and fire department representatives from all over the world."

Jim was born and raised in Jackson, Tenn. ("I think they named the town after me, I'm not sure"), where he lived on a 78-acre hill farm with his father, mother and four sisters. When his father had to take a job away from home to make ends meet, Jim, at age 11, became a farmer, and a man.

"This was good experience for me," he reflects, "because I learned that problems have to be solved one way or the other, with no excuses. Maybe it's due to this that I've never been criticized for my work, because I know that all it takes to do a good job is a good effort."

After finishing high school, Jim entered an apprentice machinist program with the Caterpillar Tractor Co. in Peoria, Ill., a program which he completed while on active duty with the Navy. He had enlisted

Saddleback Sales regains Premier League lead

As the result of a three-game sweep over the Hideaway squad, the Saddleback Sales regains possession of first place in the Premier League during Monday night's action at Hall Memorial Lanes.

This shutout posted by the Saddleback Sales bowlers gave them a season record of 65 wins and 25 losses, compared to the Hideaway team's 64-26 total. In third place, just three games off the pace, are the Raytheon Sidewinders, who have a 62-28 record.

Both the evening's high team series (2,865) and high team game (996) were chalked up this past Monday night by the Raytheon Sidewinders.

Only four bowlers, led by Thad Brightwell's 615, were over the 600 series mark. In addition to Brightwell, they were: Jack Brown (614), Ken Dalpiaz (608), and Dave Vander Houwen (601).

Vander Houwen's 235 was the highest single game score of the evening. Others over the 220 mark were Brightwell (228), Terry Miles (227), Art Karrer (226), Glen Collins (225), Brown (224) and Dalpiaz (220).

Vic Black is in line for a triplicate award as a result of posting scores of 170 each in three consecutive games.

To vie in 11th ND tourney

Two military women keggers will represent the Naval Weapons Center at the 11th Naval District Bowling Championships to be held at the Naval Training Center in San Diego from April 25 to 29.

They are Becky Shannon and B. J. Beckman, who qualified for the finals during an elimination tournament held April 2 and 3 at the Naval Support Activity, Long Beach.



CONGRATULATIONS EXTENDED — NWC Athletic Director Doug Nelson (at left) presents Phill Fossum with the first place trophy for the "A" Division title of the recently concluded "singles only" racketball tournament held at the Center gymnasium. At right is the division's runner-up, Craig Rae, holding his second place trophy. Fossum won all four matches he played over a period of 1½ weeks, including the deciding contest against Rae this past Tuesday night, which he took by scores of 21-7, 21-2. Winner and runner-up in the "B" Division were, respectively, Hod Wells and Chris Sandberg. —Photo by Ron Allen

in 1950, and during his 10 years of service — eight of which were spent at sea — saw duty, primarily as an ordnanceman, in the North and South Pacific on five different aircraft carriers.

Jim first came to China Lake in 1956, on a duty assignment to GMU-1, the Sidewinder project, for which he performed aeroballistic tests. He's the fellow who, in 1957, started the fish pond on the west side of the (former) NAF missile shop. It was here that he met his future wife, Donna, whom he married in 1960 after one last cruise. With the idea of settling down and raising a family, he left the Navy late that same year as a petty officer first class.

Returning to China Lake in 1961 as a civilian, Jim landed a job in the Supply Department. He worked for about 1½ years as a heavy duty laborer and fork lift operator. He couldn't catch on full-time, though, and so found employment as a maintenance foreman with the Alabama Pipe Co. in South Gate, Calif. Things were going well until one day when, helping his men, he hurt his back badly and had to quit work.

Grateful for Help

Unable to work, burdened with medical bills, Jim and his wife and young son, Jimmy, accepted an offer from Donna's parents to join them in their duplex in Rawlins, Wyo. Jim came to regard his father-in-law, Miles Points, as a "second father," and to this day says, "For my own dad and Miles I am very grateful." Living in Wyoming for three years, Jim recovered his health, and his family made its way back to China Lake, where our employee in the spotlight began his fire service career in 1965.

After spending about a year as a GS-4 firefighter, an opportunity to use his skills as a mechanic and machinist caused him to transfer to the Public Works Department Machine Shop, and then, a short time later, he moved on to a position at SNORT. In 1971, though, he was "riffed," and although he was able to return to the Public Works Department, kept thinking about all the friends he had at the Fire Division and "the new frontier they had before them, using new methods and agents to fight fires."

So, after talking it over with Donna, and accepting a substantial pay cut, Jim wen back "to what had always been my dream—the fire service." But after about two years back on the old job, in 1975, Jim saw an opportunity glittering with the Bureau of Land Management, which offered him a large raise in pay to help with the installation of huge reciprocating pumps on the San Luis Canal near Coalinga and Kettleman City in the San Joaquin Valley.

Returns to China Lake

But the rains and fog that winter made work awfully slow, and Jim soon regretted leaving the Fire Division "and all the assets I had there." It was no problem getting his old job back, because he had established a good reputation here. After some counseling from Fire Chief Knight and taking some training classes on Center and courses through correspondence and at Cerro Coso Community College, Jim felt he had "finally gotten my head on straight." From firefighter he went to engineer, and, in September of last year, he assumed his present position.

For the past eight years, Jim has been heavily involved in local youth activities particularly in Little League and Pony League baseball and Youth Center basketball and softball, and anything Jimmy, 13, and Juli, 9, happen to be into at the moment. He's been coach, equipment manager and groundskeeper for a number of sports, and a few years ago installed the lights at the Little League field in Ridgecrest.

Jim is a happy man, with a job and family he loves. His parents-in-law now live in Ridgecrest, Donna is "a good home maker, a beautiful wife, and a crying post for me and the kids when things aren't going right." And as for the kids, "My only ambition is to see each of them turn out to be a better person than I."

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

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NWC Commander

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DEADLINES

New Stories Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m.
The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.
Phones 3354, 3355, 2347

Local gymnast to compete at national finals in Arizona

For the first time ever, Ridgecrest will have a gymnast competing at the national level, as Kyra Specht goes against 140 to 190 other top Class I gymnasts from across the country in the United States Gymnastics Federation Class I finals, to be held in Phoenix, Ariz., on May 26-29.

Continuing to make unusually high scores for a first-year Class I gymnast, Miss Specht competed last weekend in the Western Regionals at Westminster, Ca., and earned the score necessary to qualify her for national competition.

With a combined all-around total of 69.05, she earned her highest all-around score ever. A total score of 68.8 was necessary to qualify for the nationals.

Mary Ann Wilcox, her coach for Ridgecrest's High Desert gymnastics team, is "extremely proud and happy and looking forward to a lot of work and improvement from Kyra before the nationals." Mrs. Wilcox, who has maintained all along that "Kyra can make it to the nationals this year," emphasized that this is a very special accomplishment for Ridgecrest. "In a very real sense, Kyra will be serving as Ridgecrest's ambassador when she goes to Phoenix next month," High Desert's Class I coach added.

Keeping her scores well above 8 for each event, the 15-year-old gymnast did especially well in her compulsory events, with her vaulting and balance beam scores, a little low for her last time, coming up to the level her coach feels she should achieve.

Scores in Individual Events
Scores for individual events were as follows: uneven parallel bars — 8.85 compulsory, and 8.15 optional; balance beam — 8.90 compulsory, and 8.35 optional; floor exercise — 8.65 compulsory, and 8.8 optional; and vaulting — 8.90 compulsory, and 8.45 optional.

A tough four-day event, the national meet will consist of compulsory competition on May 26 and optional competition on May 27. The top 36 Class I seniors in the country will then compete on May 28, and will be eliminated to the top 10, who will compete on May 29. Meet officials are expecting TV coverage from ABC's "Wide World of Sports" on the last two days.

Local gymnastics fans who would like to see Miss Specht perform on the four pieces of gymnastics apparatus that are mandatory for female gymnastics competition are invited to "This Is Gymnastics," a joint show of the High Desert and Burroughs High School Gymnastics Teams. All of the Class II and Class III gymnasts from both teams will also be taking part in this show, which is scheduled in the Burroughs High School gymnasium at 7:30 p. m. on Friday, April 29, and Saturday, April 30.

Tickets, available from any team member or at the door, are priced at \$1.50 for students and adults and 75 cents for senior citizens and 6-to-12-year-olds.

(Continued on Page 7)



GOLF TOURNEY WINNERS — Curt Bryan (at left) and Merrell Lloyd are congratulated by Rear Admiral R. G. Freeman III, NWC Commander, following their performance last weekend in the Commander's Trophy Golf Tournament. Bryan's score of 150 was the lowest gross score turned in by any of the 60 entrants in this 36-hole event conducted by the China Lake Golf Club, while Lloyd captured low net honors with his 136 total (including handicap). Both men's names will be engraved on the golf club's perpetual trophy. In the above photo, the miniature American flag (flanked by replicas of the Navy and Marine Corps flags) was used as a symbol to represent the Commander's Trophy.

—Photo by Ron Allen



ON TO NATIONALS — Competing last weekend in Westminster, Ca., against top Class I gymnasts from six western states, Kyra Specht of Ridgecrest's High Desert Gymnastics Team achieved an all-around score of 69.05, 15 more than she needed to qualify her for next month's national meet in Phoenix, Arizona. Miss Specht's spectacular moves, like the flying leap she demonstrates here on the 4-inch-wide balance beam, may be seen by the local community at "This Is Gymnastics," a show by the Burroughs High School and High Desert Gymnastics Teams at the Burroughs gym on April 29 and 30. The show, which will begin at 7:30 p. m. on both dates, will benefit both teams' equipment funds and will also feature the other members of both teams.

—Photo by Ron Allen

Burroughs varsity nine begins 2nd half of league play with 2 losses

Start of the second round of Golden League varsity baseball action has been marked by misfortune for the Burroughs High School team which, this past week, lost on Friday at Palmdale by a score of 3-2 and was bombarded 14-1 on its home field by the visitors from Victor Valley on Tuesday.

This afternoon, the Burros, whose league record now stands at four wins and four losses, will travel to Kennedy High in Barstow and next Tuesday will host the league-leading Antelope Valley nine. Both games will start at 3:30.

Next Tuesday's tilt with the Antelopes will be the first of the season between these

two teams, since a first round game originally scheduled on March 25 had to be postponed due to snow and will be played instead on May 4 in Lancaster.

The Burros' baseball fortunes hit an all-time low for the season on Tuesday in their game with Victor Valley. "The biggest problem was fielding lapses and a tendency to turn routine plays into difficult ones," Coach Ed Schwartz stated after the long afternoon.

Brian Carle, winningest pitcher on the BHS mound staff, started the game but was roughed up to the tune of 8 runs before being relieved at the end of four innings. Paul Fath, his replacement, was promptly tagged for six more tallies in the fifth frame during which Mike Sawala and Brian Haskett led the way with a pair of 3-base blows for the Jackrabbits.

The Burros' lone tally of the game came in the fourth inning and developed following a single by Bud Harbin and a walk that was issued to Casey Cornelius. Harbin advanced to third base on a fly ball hit to the outfield, but injured his ankle and Frank Mayer was sent in to run for him.

A single by Randy Radcliff then enabled Mayer to score and prevented a shutout at the hands of the Victor Valley team.

The trend that Tuesday's game against the Jackrabbits was to take was set in the second inning when the visitors capitalized on an infield single, a pop fly to left-centerfield that fell in for a hit, an error, two walks and wild pitch to score four runs.

The locals, who were outthit 13 to 7 by the Victor Valley nine, committed 5 errors to none for their opponents in suffering a 14-1 rout.

Last Friday in Palmdale, the Falcons scored first — getting a pair of runs in the bottom half of the second frame. There

(Continued on Page 7)



Doug's Corner

Admiral's Cup tennis competition slated next week

Admiral's Cup competition in tennis will be held on Monday, Tuesday and Wednesday at the China Lake courts.

On Monday, the netters from VX-5 will meet NWC South, on Tuesday it will be NWC North against NWC South, and on Wednesday VX-5 will clash with NWC North. Each day's competition will begin at 5 p. m., and will consist of seven singles and two doubles matches.

At the present time, NWC South leads in the overall Admiral's Cup standings with 28 points, while VX-5 is in second place with 22 points, and NWC North trails with 21.

Dewey Spring Classic

Entry deadline for the annual Dewey Spring Golf Classic has been extended to 4:30 p. m. Monday.

This year's tournament will be held on April 28, 29 and 30, and the entry list is limited to a maximum of 144 golfers, all of whom must be either military, civilian or associated members of the China Lake Golf Club. Southern California Golf Association handicaps are not required.

Interested persons may sign up at the pro shop of the China Lake course or contact Ens. Paul Brown at NWC ext. 5594. Entry fee is \$5 per person, which also covers the cost of a buffet dinner that will be held at the conclusion of this event.

Belly Dancing

Beginning and intermediate belly dancing classes will begin in the Panamint Rm. of the Community Center on Tuesday, May 3.

The six-week long course will meet on Tuesdays and Thursdays from 7 to 8 p. m. for beginners and from 8 to 9 p. m. for intermediate dancers. Course fee is \$20 per student.

Signups may be made at the Center gymnasium's office.

Softball Season

All teams planning to compete in the upcoming Intramural Softball League season must have their total entry fee and roster in to the gymnasium no later than Thursday, April 28, at 2:30 p. m.

In order for rosters to be complete, all players must have Athletic Association cards. Games will be forfeited by teams playing with members who do not have cards. Further information may be obtained by phoning the gymnasium at NWC ext. 2334.

Graham Associates' home openers set here this weekend

The Graham Associates' all-star softball team which represents Indian Wells Valley in the Northern California Congress Softball League, will play its first home games of the 1977 season tomorrow and Sunday at the Pony League diamond on the Naval Weapons Center.

The local team will take on Sylmar in a double-header at 3 and 5 p. m. on Saturday, and host Petrolock of Lancaster on Sunday in another twin bill. The latter games will get under way at 1 and 3 p. m.

Playing in Bakersfield last weekend, the Graham Associates lost double-headers to the Bakersfield Aggies by scores of 6-0 and 5-2 and to the Hub Furniture nine, 8-4 and 2-0.

Local softball fans are invited to attend the games at the Pony League field.

Plans announced for observance of Armed Forces Day

Armed Forces Day this year will be celebrated on Sunday afternoon, May 15, at the Naval Weapons Center with a band concert and picnic to be held on the lawn in front of the Administration building.

Nationally, Armed Forces Day will be observed on Saturday, May 21, and appropriate activities will be planned during the week of May 16 to 22. However, the big day has been "moved up" locally in order to take advantage of the availability of the Marine Corps Recruit Depot Band from San Diego.

Other musical groups scheduled to perform for this traditional patriotic event, whose theme is "Peace Through Readiness," are the concert bands from Burroughs High School and the Murray and Monroe Junior High Schools, and the Burroughs Stage Band.

Members of the Burroughs Band Boosters and the Indian Wells Valley Music Parents Club will be selling hot dogs, soft drinks, pies and cakes to the attending public.

In addition, a car and boat show will be held that day in the Administration building's parking lot, and will feature custom cars, hot rods, motorcycles, boats, sports cars, vans, and special-interest and off-road vehicles. Persons wishing to display their vehicle may make arrangements to do so by phoning the show's chairman, Dick Mahan, at NWC ext. 2118 or 446-6049 (home), or Tom Jones, 446-7000.

A related affair, the annual pancake breakfast sponsored by the Ridgecrest Kiwanis Club, will be held on Saturday, May 14, from 7:30 to 11 a. m. on the lawn outside the Community Center. Tickets, priced at \$1.50 per plate, may be purchased in advance from any Kiwanis Club member, or at the breakfast itself on May 14.

Yearly inspection of Sea Cadet Squadron scheduled tomorrow

The yearly inspection ceremony of the Naval Sea Cadet Corps Squadron at China Lake will be held in front of the Naval Weapons Center Administration building tomorrow at 10:30 a. m.

Inspecting the cadets will be Rear Admiral R. G. Freeman III, NWC Commander, who will also be presented a plaque from the squadron in appreciation for his unstinting support of its activities.

In addition, RADM. Freeman will officiate at the reenlistment ceremony of AT2 Bill and AQ3 Gwen Acor, a husband and wife team who serve as volunteer lieutenants (junior grade) in the Sea Cadet Squadron, and who are both assigned to the NWC Aircraft Department.

Rodney Meeds singled out as NWC Sailor of Month

Aviation Structural Mechanic Airman Rodney N. Meeds, a plane captain in the Line/Support Branch of the Aircraft Department, has been named the Naval Weapons Center's Sailor of the Month for March.

The 22-year-old sailor, a native of Tacoma, Wash., reported for duty at China Lake in October 1975 and spent a six-month service tour working for the First Lieutenant Division and the mainline galley. Subsequently, he performed maintenance phase checks on aircraft with the Check Crew Shop, and, in November of last year, assumed his present duties with the Line/Support Branch.

According to AMSAN Meeds, "I've got a terrific job because it's interesting. What makes it interesting? The aircraft I work with — they're marvelous machines."

The Sailor of the Month for March is highly praised by his branch head, Lt. R. S. Hill, who says, "AMSAN Meeds is a highly motivated, conscientious and productive worker who always utilizes his time to the utmost. He requires only limited super-

C.E. Van Hagan to retire as head of TID...

(Continued from Page 1)

Department when Van Hagan became the department head. Among the organizational changes that have occurred within TID since that time are establishment of the Graphic Arts Division, bringing the bulk of the Center's photo work into TID's Photographic Division, and setting up a Field Services Division that is composed of technical information support units which previously functioned apart from TID in the Propulsion Development, Systems Development and Electronic Systems Departments.

In addition, the Standards and Specifications Library (formerly a part of the Engineering Department) was placed under the control of the TID Library Division, as was the Center library.

Components of Graphic Arts Div.

The Graphic Arts Division was formed from within TID by taking artists from the Publishing and Presentations Divisions and placing them in their own separate division that also included TID's Printing and Reproduction Branch and Composition Branch personnel. This enabled the Publications Division to expand its activities in the field of writing journal articles, gathering information for writing Center histories, and starting the Collection of Archival and Reference Documents.

The other organizational changes within TID that have occurred since 1972 were made to eliminate duplication, provide uniformity, more support and a broader base of operation for those functions handled within the department.

Trends identified by the outgoing department head are the tendency, because of speed and reduced cost, to go to fewer formal technical reports and rely more on informal and unofficial publications. The danger he sees in this, Van Hagan noted, is that valuable information is lost for retrieval purposes when it is released in these informal and unofficial publications.

Fewer Formal Reports Published

TID, which once published 250 formal reports annually, now is down to about 150 such reports per year. They are announced, distributed nationwide, sent to the Defense Documentation Center for further distribution, and become a part of the permanent bank of knowledge in the Department of Defense. Having this information permanently available is a safeguard against someone at a later date repeating work in a technical field that has already been done.

"Putting out a formal report doesn't take that much longer or cost that much more, since a formal report can be prepared in any format the customer desires," the head of TID stated. "The trend in the reduction of formal reports stems from the misconception that formal reports have to be gilded and take a long time to prepare.

"The fact is," he added, "a formal report

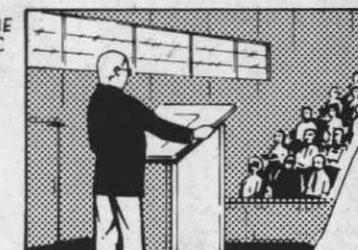


BORN ON 12 JULY 1914, CHARLES E. VAN HAGAN WAS RAISED IN MADISON, WISCONSIN. HE EARNED A B.S. IN CIVIL ENGINEERING FROM THE UNIV. OF WISCONSIN AND A CERTIFICATE IN TRAFFIC ENGINEERING FROM YALE UNIV.

A LICENSED PROFESSIONAL ENGINEER, HE SPENT 8 YEARS IN HEAVY CONSTRUCTION BEFORE BECOMING A TECHNICAL EDITOR AT THE FOREST PRODUCTS LABORATORY (USDA). FOUR YEARS LATER HE MOVED TO THE FOREST PRODUCTS RESEARCH SOCIETY AS SECRETARY-TREASURER AND EDITOR-IN-CHIEF.

VAN CAME TO NOTS IN 1950 AS A SENIOR TECHNICAL EDITOR ON A CAREER PATH THAT LED THROUGH BRANCH AND DIVISION HEAD LEVELS TO APPOINTMENT IN 1971 AS HEAD, TECHNICAL INFORMATION DEPARTMENT.

AUTHOR OF REPORT WRITERS' HANDBOOK, HE HAS TAUGHT WRITING COURSES FOR UNIVERSITIES AND GOVERNMENT ACTIVITIES. HE WAS A FOUNDER OF THE TECHNICAL PUBLISHING SOCIETY AND A DIRECTOR OF THE SOCIETY FOR TECHNICAL COMMUNICATION. HE IS A FELLOW OF STC AND THE INSTITUTE FOR ADVANCEMENT OF ENGINEERING.



HE AND HIS WIFE, THE FORMER LORRAINE HANCHETT, HAVE TWO DAUGHTERS, CONSTANCE AND STEPHANIE. TO VAN HAGAN, HIS RETIREMENT FROM FEDERAL SERVICE ON 29 APRIL 1977 IS "THE START OF ANOTHER CAREER" AS A WRITER AND TEACHER—WHICH HE WILL PURSUE FROM HIS NEW HOME AT ROSSMOOR LAGUNA HILLS.

CHARLES E. VAN HAGAN — HEAD, TECHNICAL INFORMATION DEPARTMENT.

can be put out faster when given proper priority because it is produced by professionals."

One of the most interesting facets of his work, Van Hagan continued, has been the rapid changes that have been taking place in the information business. The printing business is heading toward computer composition, quick copy machines have been developed to the point where they are used for reproduction in many cases instead of a printing press, interviewers in the Publishing Division are using tape recorders, and the Technical Library is on line to data banks covering virtually all aspects of scientific and technical research, both military and civilian.

Other Changes Made

In addition, the composing machines used by TID are MAG tape selectric typewriters which are very fast, less expensive and take fewer employees to operate; the presentations business has gone almost exclusively to the use of vugraphs and overhead projectors instead of film slides, and video is playing a larger and larger part in presentations that are given.

Currently, the best method of getting information to top management and project sponsors is a vugraph presentation backed up by a brief, summary-type publication, but hardcore research and development still requires the publication of reports, the

head of TID stated.

In closing, Van Hagan had words of praise for the "extremely talented collection of people in TID." It takes a long time to build up a group like this — artists, photographers, writers, motion picture producers, printers, etc., and most are highly creative and outstanding in their work, he said.

Van Hagan is a Fellow of the Institute for the Advancement of Engineering and of the Society for Technical Communication and (at the national level) was a member of the STC board of directors from 1971-75. Locally (in the early 1960s) he was one of the organizers of the Sierra-Panamint Chapter of STC, and is a past chairman of this chapter.

His civic contributions have included serving as chairman of the NWC Equal Employment Opportunity Committee from 1972-74, and from 1963-72 he was the Maturango Museum's director of publications.

He and his wife, Lorrie, have two daughters, Constance Walker and Stephanie Landau. His plans after retirement are to move later this year to a new home at Rossmoor Leisure World in Laguna Hills and renew his work as a writer and teacher.

Misuse noted of Navy's 'postage fees paid' indicia

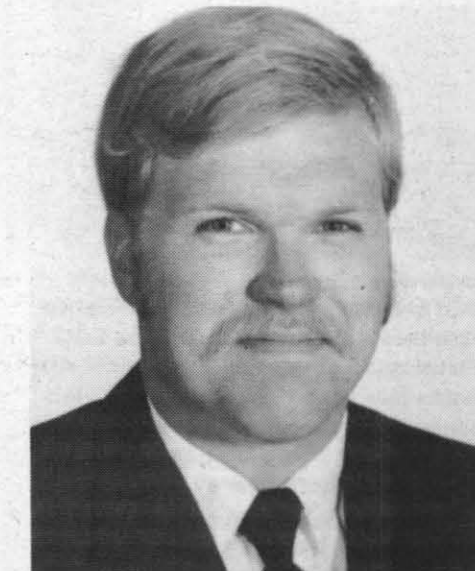
Navy Postal Officials have expressed concern that "postage and fees paid" indicia mail services are being misused by some Navy and civilian personnel.

Indicia mail is not free. The U.S. Postal Service surveys indicia mailings and bills the Navy quarterly. The Navy's bill for the 4th quarter of Fiscal Year 1976 was more than \$8 million.

Misuse of indicia violates OPNAVINST 2700.14C, with a penalty of a \$300 fine and possible Universal Code of Military Justice discipline. Regulations concerning use of indicia mail appear in OPNAVINST 5112.1 (Department of the Navy Postal Instructions).

Daily mailings to the same address should be consolidated in one envelope. Letter size envelopes should be used to the greatest extent possible as a 1 to 3 page letter trifolded and placed in a letter size envelope costs the Navy only 13 cents to mail. The same 1 to 3 page letter mailed in an 11 by 13-in. envelope costs the Navy 46 cents to mail.

For his selection as Sailor of the Month, AMSAN Meeds will receive a 96-hr. liberty pass and a free dinner for two at the Shuttle.



AMSAN Rodney N. Meeds



WORK NEARING COMPLETION — Workmen for the Riha Construction Co. of La Mesa, Calif., and various subcontractors involved in the job, are expected to complete the Naval Weapons Center's new 10-bed dispensary and dental clinic in from six to eight weeks. Lt. J. A. Roberts, head of the Public Works Department's Contract Division, reports. At the time these photos were taken, landscaping work was under way, the telephone switchboard was being checked, doors were being hung and (at lower right) a carpenter was fastening hinges on a door in preparation for its installation. Elsewhere, workmen were painting or putting up vinyl covering on interior walls and covering floors with either tile or carpeting. The new medical-dental facility will be known officially as a Branch Clinic of the Navy Regional Medical Center in Long Beach. —Photos by Ron Allen

Happenings around NWC

A square dance, featuring Johnny Scott, from Highland, Calif., as the guest caller, will be held tomorrow night, starting at 8 o'clock, at the Murray Junior High School auditorium.

This event has been arranged by the Jim Dandies Square Dance Club. Off-Center visitors may obtain a pass at the main gate.

Formal Dinner-Dance Planned

A formal affair, the Black and White Ball, will be presented by the Women's Auxiliary of the Commissioned Officers' Mess on Saturday, May 14. All members of the COM are invited to attend.

This black tie occasion will begin with cocktails at 7 p.m. Dinner will be served at 8, and dancing to the Marine Corps Recruit Depot dance band from San Diego is scheduled to get under way at 9.

Tickets, priced at \$25 per couple, are now available and may be obtained at the COM or reserved by calling Nancy Hawkins, ph. 446-4622.

Business Hours Changed

The business hours of the Navy Exchange Uniform Center have been extended for the convenience of its patrons, Ted Mahaffey, NEX store manager at China Lake, announced recently.

The store, which is located behind the China Lake police station, next to the enlisted dining hall, is now open from 10:30 a.m. to 1:30 p.m., Tuesday through Saturday, and from 10 a.m. to 5:30 p.m. on

Scouts lend helping hand

at local recycling center

Eight members of the Cheetah Patrol of Boy Scout Troop 35 recently donated their help to improve the appearance of the recycling center located just off S. Richmond Rd. at Santee St.

Concentrating their efforts on the aluminum beverage can collection bin, the Scouts inserted redwood slats in the chain link fence that encloses the bin.

The names of two of the boys who took part in this "community pride project" were published in a ROCKETEER photograph caption about this activity. They were Glenn Kubin, the patrol leader, and Dwight Stowell.

Other members of the Cheetah Patrol who also assisted were Guy and Pat Kinley, Andrew Lloyd, Shawn Puma, Steven Spellman and Norman Stowell.

paydays. The NEX Uniform Center was formerly closed on Saturdays but open on Mondays.

All NEX activities at China Lake will be closed for an annual inventory on Monday, Mahaffey stated.

Children's Concert Slated

The American Association of University Women is sponsoring a children's concert tomorrow, beginning at 2 p.m., in the Burroughs High School lecture center.

Junior high students will perform "Peter and the Wolf" and several solos and ensembles, and there will be singing by the Junior High Valley Chorus.

Tickets, priced at 60 cents for children and \$1 for adults, may be purchased at the door.



USED BOOK SALE PLANNED — As a means of raising money that will go into a scholarship fund, the China Lake-Ridgecrest branch of the American Association of University Women is preparing for a used book sale that will be held on Saturday, April 30, from 9 a.m. to 4 p.m. on the lawn adjacent to the east wing of the All Faith Chapel. Local residents who have books they are willing to donate for this annual event can do so through next Wednesday by dropping them off at 522-A Nimitz Ave., China Lake, or in Ridgecrest at 207 Lilac St. or 933 Jessica St. Shown looking over and pricing some of the books already received are (l.-r.) Patricia Walters, Nancy Lee McBride and Jean Hutmacher, who is being assisted by Matt Goss. Science-fiction, mystery, western and children's books are just some of the many kinds of reading material that will be on sale at prices ranging from 5 cents to \$1 at the AAUW used book sale. —Photo by Ron Allen

Geothermal Utilization Division formed as part of Public Works Department

A new division has been established within the NWC Public Works Department to guide geothermal energy programs through the transition from research to utilization.

Appropriately called the Geothermal Utilization Division, Code 266, it is headed by Dr. Carl Austin, an employee at China Lake since 1961, who previously headed the Petrodynamics Branch of the Research Department.

Branches included within the Geothermal Utilization Division are Code 2661, Geothermal Technology; Code 2662, Geothermal Law, and Code 2663, Geothermal Operations.

No decision has yet been made on selecting a branch head for Code 2661, but Code 2662 is headed by LCdr. J. M. Com-

Concert scheduled to raise money for purchase of piano

The Burroughs High School Stage Band will present a concert to help raise money for the purchase of a grand piano on Thursday, April 28, beginning at 7:30 p.m. in the lecture center.

The program will offer a variety of musical styles, from Bach to jazz. The Stage Band will be playing tunes ranging from Cole Porter's "You'd Be So Nice to Come Home To" to the pop tune "Traces." The band recently won first place in the novice division at the Wasco Stage Band Festival. In addition, Tom McLane won a solo award for trombone and Kathy Sippel was named best keyboard player.

Among the instrumental works to be presented are a harpsichord solo by Charlotte Boyd and a piano solo featuring Sandy Baranmer, who will be accompanied by the string section of the Burroughs High School Orchestra.

"Evergreen," the Oscar-winning song from the movie "A Star is Born," will be sung by Reno Venturi, and Dori Johnson will sing "Send in the Clowns," from the popular musical "A Little Night Music."

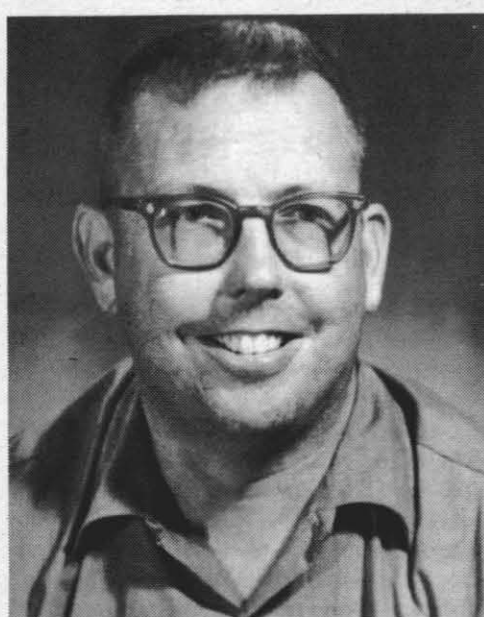
Two arias, one from Puccini's "Gianni Schicchi" sung by Beth Gilmer, and another from Mozart's "The Marriage of Figaro" sung by Karin Randle, are included on the program.

A donation of \$1 is being asked of those who attend and will be collected at the door.

mander, who is on a TAD assignment here from San Diego where, as a member of the Judge Advocate General Corps, he was attached to the Navy Legal Service Office.

LCdr. Commander has the task of becoming familiar with a multitude of laws affecting federal land and determining what effect they will have on any plans for geothermal development both on and off the Naval Weapons Center.

Carl Halsey, who moved with Dr. Austin from the Research Department's Petrodynamics Branch, is head of Code 2663. Other employees in the Geothermal



Dr. Carl Austin

Utilization Division, whose office is located in the former vehicle dispatcher's building in the Public Works compound, are Sam Kendall, an engineering technician previously in Code 3833, and Ron Clodt, an engineering equipment operator.

Employees of the Geothermal Utilization Division are deeply involved in getting the Coso geothermal project in the NWC range area to the point where it can go on line as an energy producer.

In addition, Dr. Austin said, he and his co-workers are serving as advisors on a geothermal project at the Naval Magazine at Lualualei on Oahu in the Hawaiian Islands, and are the operators of a geothermal project at the Naval Station at Adak, Alaska. Tentative plans call for drilling the first test hole at Adak this summer.

Code 266 personnel also are conducting a world wide survey of the geothermal potential of air bases for the U.S. Air Force. For the immediate future, Code 266 employees will be involved in terminal ballistics studies and will continue to operate the gun ranges at Cactus Flat.

Location of 'used car lot' to be changed

The "used car lot" presently located on the south side of Blandy Ave., adjacent to Schoeffel Field, will soon be relocated to the parking lot between the Bank of America and the former Fedco service station on Richmond Rd.

Beginning on Monday, May 2, any vehicles being offered for sale by employees of the Naval Weapons Center should be parked on the east side of the parking lot. To avoid confusion the Safety and Security Department will install signs to indicate the area to be used.

Center employees and military personnel are advised that they will be issued citations for continued use of the old "used car lot" adjacent to Schoeffel Field after the new location is available for such use.

Five advanced in rate

Five personnel from Air Test and Evaluation Squadron Five were recently advanced in rate.

They are: AOCM Robert Hurd, shop supervisor of the Ordnance Division; YNSN Nancy Niell, of the Administration Office; PN2 Alan Uyenco, Personnel Office; AME2 Charles Ceasar, Aviators' Equipment Shop; and AMSAN Charles Smith, Line Division.

Pilots sharpen marksmanship skills against MLTs...

(Continued from Page 1)

MLT's control system, activators and the electronic gear for the vehicle, others involved in this program are:

John Ayers, who has handled all signal augmentation work necessary to make sure that aircraft radars are able to "see" the MLT and lock onto it prior to a bombing or rocket firing run; Charlie Mills, who is in charge of program administration — a task that involves preparing status reports, financial forecasts, justification for the program and all presentation work; and Pat Rampy and Bob Burks, mechanics, who perform all target vehicle maintenance work and such things as experiments with new tires.

The result is a vehicle constructed like a dune buggy that costs only a tenth as much as the remotely-controlled WWII tanks, gets 30 miles per gallon compared to 3 mpg for the old targets, is designed to more closely simulate actual combat conditions, and can travel at speeds ranging from 5 to 50 mph.

Controlled from a remote vantage point, the MLT is not limited to any prescribed course or track, and can be turned, accelerated or decelerated at the discretion of the operator.

MLT Gets Baptism of Fire

Part of this innovative, quick-reaction program required naval training range input and evaluation with testing being conducted by operating range personnel — first on a demonstration basis and then in full-scale daily operations testing with Fleet squadrons. It was over a desolate range at the Naval Air Station in Fallon, Nev., on May 4, 1976, that the first Interim Mobile Land Target received its baptism of fire from six sorties of A6 Intruder and A7 Corsair II aircraft whose pilots dropped MK-76 bombs and fired 2.75 in. rockets.

These tests called for the MLT to simulate slow-moving trucks and personnel carriers, tanks moving at mid-speed, as well as higher speed attack patrol boats and light attack jeeps. Range operators and pilots involved in this initial test were enthusiastic about use of the MLT since, in three days of tests, major improvement was apparent in the accuracy of the pilots' bombing and rocket firing.

A week after the first test at Fallon NAS, two more MLTs were wired and assembled, and the NWC team of Barsaloux and Williams, accompanied by Ayers and John Talley, a photographer, took the vehicles to Naval Weapons Special Test Facility in Boardman, Ore., where pilots from training squadrons based at the Whidbey Island Air Station sharpened their bombing skills by dropping more than 130 MK-76 practice bombs in four days of tests against MLTs that were operated solely by range personnel at Boardman.

Still Going Strong

For almost a year, two MLTs have been in use at the Boardman range, where they are still going strong after approximately 600 bombing sorties flown by pilots of Navy A-6 Intruders who have unloaded some 3,000 MK-76 bombs in practice runs intended to help them sharpen their accuracy.

In addition to use at the bombing range in Oregon, the MLT also was put through its paces in the humid and rainy weather conditions at the Marine Corps Air Station, Cherry Point, N.C., bombing range, which is located on a remote island 40 miles off the eastern seacoast. There, the MLTs were operated successfully in swamps, bogs and high grass.

Ruggedness of the small vehicle was demonstrated when one of the novice Marine operators who was guiding an MLT by remote control inadvertently turned it in the wrong direction and it dropped into a 12 ft. deep salt water channel. After being retrieved, the MLT was repaired that night and was ready to go by test demonstration time the next morning.

Further evaluation of the MLT was conducted at the Pinecastle electronic warfare range in Ocala, Fla., following a 2-week period during which it had been raining an average of 3-in. per day. For five



MECHANICS KEPT BUSY — Because they are responsible for all maintenance work and the reliable functioning of the MLTs during tests under widely varying conditions, Mechanics Pat Rampy (at left) and Bob Burks have plenty to do to prepare for field tests of the rugged and versatile machines.

days (mostly during the rain), pilots from the Naval Air Station, Oceana, Va., and other military air fields, had a crack at the sturdy and elusive mobile land target.

The return to NWC from these successful demonstrations of the MLT was followed by a period of planning and design update by personnel of Code 62201. Numerous briefings and demonstrations were staged with the purpose of insuring that Fiscal Year 77 funds would be available.

Last November, confirmation was received that Fiscal Year 77 funds were available, and engineering, documentation and specifications for the improved Interim Mobile Land Target (IMLT) were completed. At this time, the process for procuring 17 IMLTs is under way. Three each are slated for use at five Navy training ranges and the remaining two are to be used at Nellis Air Force Base.

According to Barsaloux, the IMLT and follow-on MLT program has been assured of funding through the FY 83 time frame. By that time, more than 150 vehicles will be operating at various Navy ranges where they will be continuing to provide the much needed aircraft pilot moving target marksmanship training.

Current trends indicate that new aircraft IMLT signal augmentation equipment, a

television control system, and other improvements will increase the value of this target vehicle to all military users, just as it did at the Marine Corps Base at 29 Palms when the IMLT was used to tow targets that were fired at by M-48 and M-60 tank crews.

Last year, the Naval Weapons Center hosted a conference attended by representatives from nearly every military service range in order to discuss the requirements for the next generation of multi-use moving land targets. The leading role in this program was then assigned to NWC.

3-Hour Demonstration

At this conference, those in attendance witnessed demonstrations at Airport Lake during which bombs were dropped and 2.75 in. and 5 in. Zuni rockets were fired for more than three hours by former combat pilots from NWC's Aircraft Department, Air Test and Evaluation Squadron Five and Marine Attack Squadron 332.

At the critique which followed this training exercise, the pilots were outspoken in their praise of the IMLT as an outstanding, realistic training device, as well as for special weapons R&D testing.

The Range Department now offers operational use of these improved moving land targets for training and system evaluation of NWC programs. The future looks bright for the IMLT and MLT program, which is scheduled to be transferred to the Weapons Department later this year.

Film program about Australia to be presented at college

Ken Armstrong, Jr., former journalist and world traveler, will present his film entitled "Brawny Australia" at the Cerro Coso Community College lecture hall tomorrow night at 7:30.

Tickets, priced at \$2 for the general public and \$1 for students, are available at the college business office and at the Gift Mart in Ridgecrest.

The film will feature the unique wildlife of the land "down under," including kangaroos, wallabies, wombats, platypuses and rare birds in living color, along with numerous species of exotic plant life. Also to be shown are unusual geographical features of Australia, and the nation's people at work, at play and at home.

A graduate of the University of Michigan, Armstrong was a featured news and editorial director for Cleveland, Ohio, television stations. He later served as Southeast Asia correspondent for the Cleveland Plain Dealer. Since 1967, he has produced travel documentaries for the lecture circuit and television.



TIME TO CHANGE — Lori McCahan, 18-year-old senior at Burroughs High School who is the current Miss Ridgecrest-China Lake, calls attention to the change to Daylight Saving Time that will take place at 2 a. m. on Sunday. Californians will be expected to set their clocks ahead one hour at the time they retire for the evening on Saturday. The hour lost this weekend will be regained next October when the return to Pacific Standard Time is due to take place. —Photo by Ron Allen

NWC to join with college, city in Cinco de Mayo fete

The Naval Weapons Center will join with Cerro Coso Community College, the Sister City Association of Ridgecrest and the Los Amigos Hispanos Club in observing Cinco de Mayo — an annual celebration commemorating a victory by the Mexican Army over the military forces of France in 1862.

This victory became a symbol to the Mexican people in their long struggle to regain their independence, and marked the turning point in the war that eventually led to the re-establishment of Mexico as a sovereign nation.

Cinco de Mayo is now celebrated, along with the 4th of July and Bastille Day, as one of the great days in the advancement of human liberty.

Locally, Cinco de Mayo activities will begin at 3 p.m. on Sunday, May 1, at the Cerro Coso Community College lecture center with a performance by the Ballet Folklórico dance group from Livermore. Also scheduled at the college will be an authentic Mexican dinner, sponsored by the Sister City Association and the Los Amigos Hispanos Club.

On the menu will be enchiladas, beans and rice, tortillas, a salad and beverage. Seating for the dinner will be at 3:30, 4:30 and 5:30 p.m., and tickets, which are priced at \$3.50 for adults and \$1.50 for children, can be purchased in advance at the college or from members of the sponsoring organizations.

All proceeds from the dinner are earmarked for a fund that will be used to enable the local area to send exchange students to Mexico.

On Friday, May 6, NWC will sponsor a thought-provoking and entertaining play, "The Lonely Journey of Miguel Martinez," which will be presented at 1 p.m. in the Community Center by the "Plays for the Living" group from Los Angeles.

This program is open to all interested persons. Managers and supervisors are urged to attend, and are encouraged to allow as many of their employees to attend as mission tasks will permit.

For sixth straight year, Burroughs High Mathletes win title

For the sixth consecutive year, the Burroughs High School Mathletes have captured first place in the Desert Interscholastic Mathematics League.

The final event of the 1976-77 season for the 14 schools in the league was held last week at Burroughs High. It was followed by an awards assembly during which Don Burke, captain of the BHS team, accepted the first place trophy.

The local high school team scored 115 points during the season. Quartz Hill High School was the closest competitor with 100 points. There also was a first place trophy for middle-size and small schools that was won by Bishop and Rosamond High Schools, respectively.

The Burroughs High Mathletes are coached by Martha Rodgers. Team members, in addition to Burke, the captain, are Doug Young, Denise LaBerteaux and Mark Underwood, all seniors; Andrew Sound, Mike Welcome and Kris Odencrantz, juniors; and Guy Kyser, Richard Pogge, Tom Veatch, Mary Wirtz and Tom Brown, sophomores.

Burke, the BHS team captain, also garnered a trophy for being the league's top individual scorer with 28 points. He just edged out Bret Burns of Quartz Hill High School, who had 27 points, while third place honors went to Andrew Sound, also of Burroughs, whose season-long efforts earned him 25 points.

Since 1973, captains of the Burroughs High Mathletes have monopolized the league's individual high point trophy. They were Wayne Teeter in 1973, Terry Elliott in 1974, David Butterfield in 1975, and Margaret Cox in 1976.